ABSTRACT

Dissertation Title: IMPACTS OF CULTURAL CAPITAL AND ECONOMIC CAPITAL ON STUDENT COLLEGE CHOICE PROCESS IN CHINA

Lan Gao, Doctor of Philosophy, 2008

Directed By: Dr. Steve Klees and Dr. Jing Lin, Department of Education Leadership, Higher Education, and International Education, University of Maryland, College Park

The world economy is changing, as knowledge becomes the key source of development. Knowledge is getting more important, and so is higher education. At a time in which higher education has never been more meaningful to the individual and society, providing access to higher education regardless of a family’s socioeconomic status has become a primary concern in many countries.

Bourdieu’s cultural capital theory posits that cultural capital is the property that middle and upper class families transmit to their offspring, which supplements the transmission of economic capital as a means of maintaining class status and privileges across generations. Extensive empirical research has supported cultural capital theory by demonstrating the significant role that cultural knowledge and family values play on educational attainment and the consequent economic and social status. In higher education, college access research has also shown that students’ college choice is largely dependent on a family’s cultural capital and financial ability to pay. Drawing on cultural capital theory, this study aims at analyzing how students’ college choice process varies by social class in China. By exploring different cultural and financial factors that
influence different stages of students’ college choice process, this study hopes to contribute to identifying the most appropriate policies and practices for raising the representation of students from the lowest social class among college participants.
Impacts of Cultural Capital and Economic Capital on Student College Choice Process in China

By
Lan Gao

Dissertation submitted to the Faculty of the Graduate School of the University of Maryland, College Park, in partial fulfillment of the requirements for the degree of Doctor of Philosophy 2008

Advisory Committee:
Professor Steve Klees
Professor Jing Lin
Professor Robert Berdahl
Professor Bart Landry
Professor Thomas Weible
ACKNOWLEDGMENTS

I am deeply indebted to the students and their parents who participated in this study. Without their willingness to let me into their lives, this dissertation would not have been possible. I own my deepest thanks to Tang Jun, who has been my mentor since I was a high school student and without whose help my access to the research site and many school documents would have been impossible.

I would like to give special thanks to Dr. Steve Klees and Dr. Jing Lin for their guidance and support throughout my doctoral program, their invaluable advice about the research, and their helpful suggestions about my dissertation writing. I am also deeply appreciative of the help and advice received from Dr. Robert Berdahl and Dr. Frank Schmidtlein. Special thanks are extended to Dr. Bart Landry and Dr. Thomas Weible for their time, advice, and willingness to serve on the committee.

I am very grateful that I had the opportunity to study and work in the Department of Education Policy and Leadership (EDPL) at University of Maryland, which is a wonderful community. I would like to thank all the staff for their kindness, care and help, without which my life here as an international student would have been significantly more difficult. I would also like to thank all the faculty members and my colleagues at EDPL, each of who informed me and inspired me.

But above all, I own my deepest thanks to my parents and my husband for their love, understanding, and support. They have never wavered in their belief in me and my research, and have given me the love and support essential to complete this dissertation.
Table of Contents

Abstract
Acknowledgements
Table of Contents
List of Tables
List of Figures
Chapter 1: Introduction
  1.1 Significance of the Research Topic
  1.2 Overview of the Study
  1.3 Significance and Potential Contributions
Chapter 2: Literature Review and Empirical Research
  2.1 Introduction
  2.2 Cultural Capital Theory
    2.2.1 Cultural Capital
    2.2.2 Habitus and Field
  2.3 Education and Social Inequality
    2.3.1 Educational System
    2.3.2 Family Factors
    2.3.3 Social Status and Higher Education Opportunity
  2.4 Cultural Capital Research
  2.5 College Access Research
    2.5.1. Family Background
    2.5.2 Parental Involvement
    2.5.3 High School Climate
    2.5.4 Self-Expectation and Academic Preparation
    2.5.5 Financial Aid
  2.6 Conclusion
Chapter 3: Models of Student College Choice
  3.1 Introduction
  3.2 Perspectives on Student College Choice
  3.3 Combined Models of Student College Choice
  3.4 Conceptual Framework of the Study
  3.5 Conclusion
Chapter 4: Social Stratification and Higher Education Opportunities in China
  4.1 Introduction
  4.2 Changing Mechanisms of Social Stratification
    4.2.1 The Redistributive Economy
    4.2.2 The Market Economy
    4.2.3 The Changing Social Stratification
  4.3 Higher Education Reforms in Mao’s Era
Appendix A: The List of Universities on the Project 985…………………………...284

Appendix B: Background Characteristics of the 14 Cases Excluded………………286

Bibliography…………………………………………………………………………...292
List of Tables

Table 3.1 Variables Associated with Cultural Capital and Economic Capital………………...51

Table 4.1: Different Channels of Revenue to Public Postsecondary Education in China from 1998 to 2001……………………………………………………………………………………………………72

Table 5.1 Number of Interview Subjects by Family Type…………………………………....91

Table 5.2 Cases Presented in the Study……………………………………………………….93
List of Figures

Figure 3.1 Stages in College Decision Making and Elements of Cultural Capital and Economic Capital Influenced by Family’s Socioeconomic Status ......................................................... 50

Figure 4.1 The Total Enrollment in Higher Education Institutions in China from 1990 to 1995 ...................................................................................................................... 67

Figure 4.2 The Net Enrollment and Gross Participation Rate in Chinese HEIs from 1990 to 2004 ...................................................................................................................... 69

Figure 4.3 The Percentage of Different Channels of Revenue to Public Postsecondary Education in China from 1998 to 2001 .................................................................................... 73

Figure 6.1 Urban and Rural Populations in Wuhu from 2002 to 2004 .................................. 102

Figure 6.2 Disposable Income Per Urban Resident in Wuhu from 2002 to 2004 ................. 103

Figure 6.3 Annual Expenditure on Education and Cultural Goods by Family Income in Wuhu from 2002 to 2004 ........................................................................................................ 104

Figure 6.4 Average Annual Family Income for Rural and Urban Residents in Wuhu from 2000 to 2004 ........................................................................................................ 105

Figure 6.5 Enrollment Rates to 2-Year Colleges and 4-Year Universities for Fuzhong and Nancheng High Schools from 2001 to 2005 .......................................................... 106


Chapter 1: Introduction

1.1 Significance of the Research Topic

It is well known that the expansion of higher education in the post-World War II period in both developed and developing countries is unprecedented. For example, the participation rates to universities have increased fivefold between 1951 and 1979 in Australia (Lamb, 1989, p. 1). In China, the 1978-1994 period also witnessed a remarkable growth in the enrollment of public, regular higher education institutions -- from 0.86 million in 1978 to 2.8 million in 1994 (World Bank, 1999, p. 3). However, despite the considerable expansion of higher education, there has been worldwide a persisting gap between the lower social class students and the higher social class students in terms of college attendance and persistence. According to the study of Fitzgerald and Delaney (2002), the gap in college enrollment rates was 32 percentage points (48% for low income students vs. 80% for high income students) in the United States in 1970. Although the participation rate for low-income students has been increasing for the past few decades, the gap in participation was still 32 percentage points between the students from low-income families and those from high-income families in 1997 (p.14). Fitzgerald and Delaney (2002) further pointed out that only six percent of the students from lowest SES families earned a bachelor’s degree in 1998, compared to 18 percent of students from middle SES families and 40 percent of those from highest SES families (p.15). Similarly in Australia, in spite of the substantial increase in college enrollment, the gaps in college participation rates among different social groups in the 1980s remained the same as those in the 1950s (Lamb, 1989, p. 1). As concluded by Premfors (1984), the
social differences in patterns of college attendance in most of the developed Western countries have remained remarkably stable in the post-World War II period.

The Task Force on Higher Education and Society (2000), convened by the World Bank and UNESCO, conducted research on 178 countries and concluded that expanding the enrollment to higher education and improving the quality of higher education are becoming increasingly critical to national development. It emphasized that knowledge has become the most important drive of the economic growth and a key to a country’s competition in the global economy. Since most technological innovations and the diffusion of knowledge are undertaken in universities, the role of higher education in the knowledge accumulation and application is more influential than ever. At a time in which higher education has never been more meaningful to the economy, nor the economic returns to its citizens any greater, providing access to higher education regardless of race/ethnicity, social class, and financial ability to pay should be a primary concern for policy making. This research is going to study the family-related factors that influence students’ decision to enroll in college or to choose a particular college in China so as to shed light on the future policy-making that is aimed at increasing college access and equalizing educational opportunities.

1.2 Overview of the Study

Socially structured differences, namely social inequality, have been one of the primary theoretical issues addressed in sociology. Since the earliest years of sociology there have been many different theories or paradigms which all try to explain the origins of social inequality, to explore the process of social transmission, and to uncover the
necessity and possibility to eliminate human inequality. My study will draw on cultural
capital theory, which views education as the main agent in transmitting social inequality
from one generation to the next, to study the patterns of higher education participation
among different social groups. Therefore, the second chapter will present and analyze the
key concepts and major arguments of cultural capital theory, and then review and critique
the prior empirical research. The discussion of a related literature will indicate what is
known and what is unknown on the research topic in order to identify the intellectual
traditions that guide this study and to situate the research in the ongoing discourse of the
topic about college access and choice for students from different family background.
Extensive research reviewed in Chapter 2 support the basic argument of cultural capital
theory by confirming that the likelihood of attending college is indeed associated with
one’s family socio-economic status. Based on the theory and research outlined in Chapter
2, the third chapter will present the conceptual framework for the study. The student
college choice process is a complex and developmental process influenced by many
variables; a lot of conceptual models have thus been developed to study the dynamics of
the process. This study uses Hossler and Gallagher’s three-phase model (1987) for
college-going process to understand (1987) the complex process that determines college
attendance and choice. Besides presenting the conceptual model that guides this study,
Chapter 3 also discusses the various social and economic variables that are used to
discuss and analyze student’s college planning in the study.

Considering the unique political and economic conditions of China, the fourth
chapter is devoted to a discussion of the profound social changes that are taking place in
the post-1978 reform era. The deterioration of the old planning economy, the
bourgeoning new middle-class, and the extensive reforms of higher education, altogether brought about new income inequalities and educational stratification in China. Therefore, the overarching research question of this study is, how class-based differences in family’s cultural capital and economic capital influence students’ decisions about college application and their choice of college. After identifying the major research questions, I will precede with discussions about my research design in chapter 5. In this chapter, the site selection, the sampling approaches, the major data collection techniques, and the preliminary data analysis methods will be presented. As discussed in this chapter, 25 students from two high schools in a middle-size city in China were chosen as the cases for this study. Chapter 6 therefore provides a general introduction about the city and its educational system, a brief discussion of income inequalities in the city and its countryside, and unequal educational resources and opportunities for students from different family backgrounds.

Chapter 7 and Chapter 8 provide a detailed description of how eleven high school students of different family backgrounds and academic preparation made their decisions about whether or not to continue their education beyond high school and how they chose their colleges. Certainly, there exist differentials based on social class in participation in higher education. Therefore, Chapter 9 explores the patterns of college planning process of students with different socio-economic status and examines influences of different variables, such as cultural capital and economic capital, on students’ decision-making process of choosing colleges.
The last chapter is a concluding chapter that summarizes major findings of this study, indicates limitations of the research, and discusses implications for future research and policy-making in China.

1.3 Significance and Potential Contributions

The fact that students from families with lower socioeconomic status are less likely to attend college and, if they do attend, are less likely to graduate is well established from prior research. Educational researchers have long been concerned about the factors that influence the patterns of attendance in higher education and the extent to which higher education has been accessible to all students regardless of their socioeconomic status. Extensive research has indicated that a variety of class-related factors, such as cultural capital, social capital, and economic capital, exert remarkable impacts on the amount and type of education that one receives. However, how these different forms of capital influence one’s chance to participate in higher education to a great extent remains unexplored. This limitation largely stems from the research method adopted by most of the prior research. Studies elevating the concept of cultural capital to a prominent position have exhibited a restricted methodological scope, primarily using quantitative techniques. Specifically concerning college access and choice, extensive quantitative research has been conducted. Although the regression models employed in prior quantitative research are varied, the research questions have been the type of “what” questions—what variables are powerful for predicting educational attainment and what factors are important in influencing college choices. Therefore, I argue that a qualitative study can make an important contribution by providing insights into the underlying
actions that produce or make use of cultural capital, thereby complementing quantitative research and enriching our understanding.

Moreover, most of the prior research has been carried out in capitalist societies. Given the uniqueness of political and economic conditions in China, whether or not the relationship of family social origins and educational attainment resembles that found in the capitalist market economy is still debatable. This study will enrich cultural capital theory by applying it to the transitional period of China in which the transformation of classes is complex and distinctive.

Finally, there is little solid research that has been done in China which looks exclusively at the state of access to higher education institutions for students from families with lower socioeconomic status. The rigid three-tiered examination system in China has for long been regarded as impartial in selecting people for advanced educational opportunities. There was a common belief that “before the system of grades, everyone is equal”. Not surprisingly, the unequal opportunity for college education was not a primary concern for either educational research or public policies until 1997 when tuition charges were universally introduced in Chinese colleges and universities. The introduction of tuition and subsequent the dramatic increase of college prices have created fears that college education will soon be out of the reach of all except those from wealthy families. The old faith that every member in Chinese society stands to have the same opportunity for education, and that those people who are intelligent and work hard get ahead, began to be challenged. However, the research interest of Chinese scholars is still limited to the financial barriers that low-income students are facing. Undoubtedly, an

\[1\] The three-tiered examination system in China refers to the unified entrance examinations to middle school, high school, and college.
adequate financial aid system can significantly increase the likelihood of college
enrollment for economically disadvantaged students. Nevertheless, financial constraints
are not the only reasons that exclude students with lower socioeconomic status from
equal participation in higher education. Drawing on cultural capital theory, this study
therefore endeavors to fill such a gap in the college access research in China by exploring
the impacts of class-based cultural capital on students’ chances to enroll in college, while
recognizing the importance of the financial dimensions of access.
Chapter 2: Literature Review and Empirical Research

2.1 Introduction

According to Grabb (1990), “social inequality can refer to any of the differences between people (or the socially defined positions they occupy) that are consequential for the lives they lead, most particularly for the rights or opportunities they exercise and the rewards or privileges they enjoy. Of greatest importance here are those consequential differences that become structured … that are built into the ways that people interact with one another on a recurring basis” (p. 2). Although inequality is one of the most pervasive and familiar facts of human life, there is no easy answer to the nature and causes of social inequality. The problem of social inequality has been the subject of lively debates for decades, and there have been competing theories and paradigms that attempt to answer the most basic question of how social order is possible. As previously noted, my study will draw on cultural capital theory, a branch of conflict theories, to explore the considerable impacts of family social origin on the educational inequality.

2.2 Cultural Capital Theory

Cultural capital theory stresses the extent to which individuals, groups and classes within society are in competition with each other for whatever people in society consider to be important or worthwhile. In basic terms, some people will have more than their fair share of a society's valued resources and others will consequently have less than their fair share. Cultural capital theorists (Bourdieu & Passeron, 1977; Bernstein, 1982; Wexler, 1982) argue that the educational forms and practices in capitalist societies are grounded in the economic relationship in the productive sphere, and thus it is aimed at legitimating
rather than reducing social inequality. The reason lies behind the differences in academic achievement is that what type of knowledge is actually taught in schools. Cultural capital theorists suggest that school knowledge is not neutral and is not a “shared” set of normative rules. Instead, it is closely linked to the ideological dominance of powerful groups in society. In the following, I will introduce the basic concepts and major arguments of cultural capital theory.

2.2.1. Cultural Capital

The cultural capital theoretical framework of Pierre Bourdieu has been applied to the study of education, language, science, and art, and has been most important in the sociological studies that focus on how and why social status influence educational achievement and occupational levels, which is also known as the literature on social reproduction. The underlying concern of all these studies is the relationships among class, power, and culture. Bourdieu identifies these relationships as fundamental to social stratification and intergenerational inequality:

Different classes and class fractions are engaged in a specifically symbolic struggle to impose the definition of the social world most in conformity with their interests. The field of ideological positions reproduces in transfigured form the field of social positions. They may carry on this struggle either directly in the symbolic conflicts of everyday life or indirectly through the struggle waged by the specialists in symbolic production (full-time producers), in which the object at stake is the monopoly of legitimate symbolic violence – that is to say, the power to impose (and even indeed to inculcate) instruments of knowledge and expression of social reality (taxonomies), which are arbitrary (but unrecognized as such). The field of symbolic production is a microcosm of the struggle between the classes. It is by serving their own interests in the struggle internal to the field of production (and to this extent alone) that these producers serve the interests of groups external to their field of production. (1977c, p. 115)

From this paragraph, we can see that in Bourdieu’s view of class relations and power, the meaning systems taken for granted by members of a society are the key to
maintaining any system of domination and transmitting class advantages through generation to generation. Cultural capital, therefore, is defined as competence in a society’s dominant cultural codes and practices, through which social background inequalities are translated into differential educational certificates and which in turn lead to unequal social and economic returns. Cultural capital is not a simple byproduct or reflection of class position, but is a mechanism through which the social reproduction process is maintained and legitimized (Bourdieu, 1977a; Bourdieu & Passeron, 1977).

In his essay on “Forms of Cultural Capital” (Bourdieu, 1997, p. 46-58), Bourdieu identifies three forms of cultural capital. The first is the embodied state of cultural capital, which is the disposition to appreciate and understand cultural goods through deliberate inculcation. Bourdieu argues that the embodied cultural capital cannot be transmitted instantaneously from one generation to the next generation, or from one person to another person. Instead, an individual can attain the certain tastes and attitudes only through inculcation and assimilation. The process of acquiring the ability to appropriate cultural goods depends on the cultural capital embodied in one’s family – the offspring of families endowed with strong cultural capital obtain it in a faster and an easier way. In addition, the transmission of embodied cultural capital is better hidden compared to the heritage of other forms of capital, such as economic capital. Therefore, the role it plays in the reproduction of intergenerational inequality is less visible. The second state of cultural capital is the objectified cultural capital. As the name implies, objectified cultural capital refers to cultural goods and media, such as works of art, writing, and instruments. There is a strong relationship between objectified cultural capital and embodied cultural capital, because a cultural object can become effective capital only when the owner of the
object possesses the cultural ability to appreciate and appropriate it in order to wield power and gain profits from it. The third state is institutionalized cultural capital, which refers to educational credentials and the credentialing system. The academic qualification brings its holders both economic and symbolic profits, such as high salary and high occupational prestige. In this way, an individual converts his/her cultural capital into economic capital and symbolic capital.

In Bourdieu’s formulation, children from higher social strata are born into home environment in which societally valued knowledge of highbrow culture and cultural cues are more likely to be manifested (Bourdieu, 1977a; Bourdieu & Passeron, 1977). Therefore, children from families of higher socioeconomic status (SES) already possess more embodied and objectified cultural capital by the time they enter school than do children from families of lower SES. More important, the initial differences in cultural capital are not reduced or eliminated but reinforced by an educational system that prefers certain types of cultural dispositions. Students with more valuable cultural capital thus do better than their otherwise-comparable peers with less valuable cultural capital. Social inequalities are perpetuated as initial differences in embodied and objectified cultural capital become systematically encoded in institutionalized cultural capital, such as educational credentials, which in turn channel individuals into different class positions.

The exclusionary character of cultural capital is at the heart of Bourdieu’s framework, according to Lamont and Lareau (1988). They therefore proposed to define cultural capital as institutionalized, that is, it consists of widely shared high-status cultural signals (such as behaviors, tastes, and attitudes) that are used for social and cultural exclusion.
Social exclusion refers to “exclusion from job and resources,” while cultural exclusion, to “exclusion from high status groups” (P. 156).

Together, these arguments indicate that differences in cultural capital explain at least part of the association between the socioeconomic positions of parents and their children. Members of the dominant class possess the most valuable social and cultural capital and have the best opportunity to succeed in school, leaving most members of the lower classes with little hope of achieving social mobility. According to Perna (2000), there are three typical ways in which how those people with less valuable cultural endowment act to their disadvantaged positions. First, they receive fewer economic and symbolic returns for their educational investment compared to their counterparts with higher social status. Second, those who begin school with less cultural capital also acquire it at a slower rate. Therefore, to catch up with those who begin their schooling already possessing valuable cultural capital, they have to overperform to overcome the obstacles that are typical for those in their class position. Third, students from families that lack the cultural skills and preferences rewarded in the schools are aware that people from their class are unlikely to succeed educationally, and thus self-select out of certain situations. For example, lower-class students tend to self-select out of college-going track based on their view that college is not for people from their class.

2.2.2 Habitus and Field

Although cultural capital is an important part of Bourdieu’s theory of social reproduction, it is not the only component of his theoretical framework. Bourdieu noted that capital, habitus and field all work together to generate practices, or social action (Bourdieu, 1971, 1977b).
Habitus is the mechanism behind the effect of cultural capital. Bourdieu conceived of habitus as “a system of lasting, transposable dispositions which, integrating past experiences, functions at every moment as a matrix of perceptions, appreciations, and actions and makes possible the achievement of infinitely diversified tasks, thanks to analogical transfers of schemes permitting the solution of similarly shaped problems” (Bourdieu, 1971, p. 83). That is to say, in a certain social group an individual’s activity is greatly influenced by a set of subjective perceptions held by all the members of this group. Given that members from different social classes are different in the nature of their primary socialization, each class has its unique habitus which can shape its members’ attitudes, expectations and aspirations. By observing other people’s lives in his/her community, an individual makes an assessment about what is possible and what is not possible for one’s own life and makes sensible or reasonable choices for his/her own aspirations accordingly. One researcher (Dumais, 2002) conceived of habitus as “one’s view of the world and one’s place in it” (p. 45); by internalizing one’s beliefs about the social world and about one’s life chances, an individual develops his/her own attitudes and expectations. This internalization takes places in early childhood, and the habitus resulted from this unconscious process is continually modified by the individual’s encounter with the world (DiMaggio, 1979; Dumais, 2002).

According to Bourdieu, the consequences of the development of habitus are very important, which play a key role in maintaining the existing social structure (Bourdieu, 1977a). On the basis of the class positions they were born into, people develop ideas about their individual potentials. For example, working-class children usually believe that they will remain in the working class and thus have lower educational aspiration, and
these beliefs are then externalized into their actions. Therefore, Bourdieu thinks that the low educational achievement of students from lower socioeconomic status families is “the product, not the cause, of the low statistical probability of their academic success.” (DiMaggio, 1982, p. 1465).

In summary, high expectations lead to high grades. A student’s expectations are developed from what he/she has experienced in the past and believes is likely to happen for people from his/her particular background.

Field is another important concept in Bourdieu’s social reproduction model. It refers to both the actors and organizations and the rules of interaction between them within a cultural or social domain. For example,

The intellectual field, which cannot be reduced to a simple aggregate of isolated agents or to the sum of elements merely juxtaposed is, like a magnetic field, made up of a system of power lines. In other words, the constituting agents or system of agents may be described as so many forces which, by their existence, opposition or combination, determine its specific structure at a given moment in time. In return, each of these is defined by its particular position within this field from which it derives positional properties which cannot be assimilated to intrinsic properties (Bourdieu, 1971, p.161).

From this example we can see that one of the most important characteristics of the concept of field is that field is an arena of conflict. In a certain field, dominant and subdominant groups struggle for control over resources. The objective of social life is to accumulate and monopolize different types of resources or capital. Therefore, each field is related to one or more types of capital. Capital, as defined by DiMaggio, is “attributes, possessions, or qualities of a person or a position exchangeable for goods, services, or esteem” (1982, p. 1463). Capital can take many forms, such as cultural capital, economic capital and social capital (Coleman, 1988). In a certain field, the interaction of actors is shaped by multiple forces, including different forms of capital the actors possess,
positions of the actors, and the rules governing the field. In one word, a field is a cultural or social domain in which participants have a stake in and compete with each other for the accumulation of some sort of capital.

2.3 Education and Social Inequality

Having elaborated on the key concepts and major arguments developed by cultural capital theory, I will proceed in the following section with discussion about how education acts as the main agent in maintaining the status quo from the perspective of cultural capital theory.

2.3.1 Educational System

According to Bourdieu (1977a), in a capitalist society where demands for democracy and equal opportunities of success have been increasing, social reproduction through direct mechanisms such as intergenerational inheritance and class-based promotion loses its legitimacy. Instead, indirect mechanisms of reproduction, like cultural capital, become important in transmitting social inequality from one generation to the next. Without doubt, educational institutions are among the most important places where power struggles between dominant and subordinate groups take place (Spring, 1998). In the following, we will examine how people from different classes interact with each other in the educational field.

The central tenet of cultural capital theory is that educational institution is the main agent where a class-based society is reproduced through the use of economic, cultural, and hegemonic capital of the dominant social class (Coleman, 1988; Bennett deMarrais & LeCompte, 1998; Spring, 1998; Lin, 1999). Schools are not socially neutral
and the apparently neutral academic standards actually function as a biased screening mechanism that favors those students who come from dominant social classes and derive from their families the specific cultural resources that are most rewarded in schools. This suggests that social class position and class culture become a form of capital - cultural capital - in the school setting.

The school system is a mechanism of distributing certain ideas and values. School knowledge is not neutral and is not a shared set of normative rules (Grabb, 1990; Bennett deMarrais & LeCompte, 1998; Spring, 1998). Instead, it is closely linked to the ideological dominance of powerful groups in society. Students from high-status origins bring in with them cultural preferences, attitudes and behaviors to school where their cultural capital is most highly valued (Bourdieu, 1977a; Bourdieu & Passeron, 1977). Although the educational system presupposes the possession of this kind of cultural capital by all, only a small section of students in fact possess it. Since the lower- and working-class students do not benefit from their background and do not derive the prerequisites from their family, they are left behind by students from better-off families at the very beginning of their educational journey.

Of course, one might expect the school to impart to all the students the set of skills and bodies of knowledge that it demands and assesses. However, to acquire the social, linguistic, and cultural competencies, students have to have the ability to receive, decode, and internalize it, while schools are not very efficient in cultivating in all students the highly valued habits of thinking, the tastes, and the interest (Bourdieu, 1977a; Bourdieu & Passeron, 1977; Lamont & Lareau, 1988). Rather, the initial inequalities in terms of possession of cultural capital among different social classes are not recognized
in teaching practices, and the content and methods of teaching tend to favor students who are already familiar with them. Students from lower-classes are penalized for lack of social and cultural cues. Therefore, schools widen rather than diminish the initial academic differences associated with social status through its selection and socialization. As Bourdieu put it,

By doing away with giving explicitly to everyone what it implicitly demands of everyone, the educational system demands of everyone alike that they have what it does not give. This consists mainly of linguistic and cultural competence and that relationship of familiarity with culture which can only be produced by family upbringing when it transmits the dominant culture (Bourdieu, 1977a, p. 494).

Cultural capital certainly plays an important role in determining academic achievement. Nevertheless, despite the fact that students from lower- and working-classes are seriously handicapped by the academic standards adopted in schools, the differences in academic achievement are normally explained by differences in abilities rather than by cultural capital (Jonsson, 1987; de Graff, 1988; Katsillis & Rubinson, 1990). Schools reward students who have cultural capital, and the ultimate reward is in the form of educational credentials. As Parkin (1971) pointed out, educational certificates help their holders to monopolize advantageous positions in the social and economic system. Bachelor degrees or more advanced diplomas in all fields make for the formation of privileged strataums.

Bourdieu’s argument makes it clear that cultural capital is critical for us to understand the relationship between knowledge and power, because through control of the knowledge preserving and producing institutions of a particular society, the ideological dominance of certain classes are enhanced. As Apple (1990) put it, “the
‘reality’ that schools and other cultural institutions select, preserve and distribute…may not serve the interests of every individual and group in society” (p. 27).

In his book, Spring (1998) discussed how the issues of knowledge and power are related to struggles over economic advantages, culture, language and religion. One aspect of using schooling as an instrument of power is to control the access to the labor market by academic sorting. Students from low SES families are less likely to graduate from high schools, and less likely to go to college. As a result, students with lower social status are channeled into lower rungs of the labor market, and students from families of high status to the top positions. That is to say, well-placed families are able to confer their economic and cultural advantages to their younger members through the educational system, and thus encourage social self-reproduction from generation to generation. As Parkin (1971) indicated, because of the ability of elite status groups to transmit cultural capital to their offspring, “…there often develops a pattern of social and cultural differentiation which, in turn, reinforces the system of occupational recruitment and so crystallizes the class structure through time” (p.14). In one word, family position is indeed associated with education, and education in turn makes a sizable difference in early and subsequent economic achievement and social status.

2.3.2 Family Factors

According to cultural capital theory, family background is crucial to the patterning of students’ achievement (Bourdieu, 1977a; Bourdieu & Passeron, 1977; Katsillis & Rubinson, 1990). First of all, family is a primary source of cultural and social capital for children. Parents from higher social classes have more cultural capital than do parents from lower social classes. This is so called background effect. Second, students
with more endowments of cultural capital are more able to adapt and further develop the cultural preferences and skills rewarded in schools. This is the cultural capital effect. Third, family background indirectly influences the academic rewards through cultural capital. Besides emphasizing the direct effects of early cultural socialization, cultural capital theory also points out that moving through the educational ladder, those who begin with more initial cultural capital, accumulates their cultural capital at a faster rate than does the cultural capital of those from lower classes. This is called transformation relationship. In conclusion, social differences in levels of cultural capital influence opportunities of achievement through the culturally selective academic standards adopted in schools. In the following, we are going to see how the different dimensions of family environment contribute to the maintenance of educational inequality.

A particularly important aspect of family background is the educational resources parents can provide to their children (Bourdieu & Passeron, 1977; DiMaggio, 1982; Coleman, 1988). Valuable educational resources, such as books, newspapers, and computers, can cultivate and foster children’s motivation to learn and shape orientations to school. Family lifestyles and cultural consumption patterns are another critical source of children’s cultural formation. Bourdieu (1977a) considers art, classical music and literature as “beau arts”, and contends that beau arts play an important role in the formal education. Art museum visits, concert attendance, and literature reading are all concentrate in the upper- and middle-classes families, which represents distinctively different cultural traits, tastes and styles from those of lower- and working-class families. Through these beau arts activities, parents’ cultural capital establishes the intellectual atmosphere, in which children feel more comfortable and motivated to learn. The
participation in cultural activities at home make children become acquainted with the
cultural cues in the formal school education, and also leads to the development of
knowledge or skills, which both in turn enable students to succeed in school. For example,
parents who regularly read books and newspapers at home have better linguistic skills
and can pass these educational skills on to their children. They also contribute to a
stimulating learning environment at home and act as role models for their children
(DiMaggio, 1982, 1985). For those children who have grown up in a home climate in
which reading is emphasized, it is much easier for them to adapt to the classroom
learning once they enter schools. In contrast, for those children who have not learnt to
deal with certain cultural practices, such as reading, school experiences could be
shocking and frightening (de Graff, 1988; Lamont & Lareau, 1988).

Although lower- or working-class parents share a desire with upper- and middle-
class parents for their children’s educational success, parents with different social status
engage in different types of involvement for their children’s education (Lareau, 1987;
Horvat, Weininger, & Lareau, 2003). Lareau (1987) has suggested that there are a variety
of factors influencing parental involvement in children’s education. She points out that
“parents’ educational capabilities, their view of the appropriate division of labor between
teachers and parents, the information they had about their children’s schooling, and the
time, money, and other material resources available in the home all mediated parents’
involvement in schooling.” (p. 79). For example, as previously noted, parents with high
social status are more likely to socialize their children into highbrow cultural activities,
which make their later educational practices are more familiar and friendly to them.
Besides the different cultural capital parents can pass on to their children, parental expectation is another important factor influencing children’s academic performance (Lareau, 1987; de Graff, 1988; McDonough, 1997; Horvat, Weininger, & Lareau, 2003). Although most parents encourage their children to do well academically, parents with lower social status are less likely to establish specific rules with regard to homework and grades. In addition, because of their own educational experiences, they tend not to hold high expectations for their children. This family habitus also influences the way children view their own potential. Students from working class families tend to believe that they will remain in the working class, and these beliefs are then externalized into their motivation and behavior at schools, which usually leads to lower academic achievement.

Coleman (1988) has discussed the role of a family’s social capital in the younger generation’s development\(^2\). According to Coleman, social capital can be defined as investment in social relations and use of the resources flowing through the relationship ties. He argues that social capital can be found “in the community consisting of the social relationships that exist among parents, in the closure exhibited by this structure of relations, and in the parents’ relations with the institutions of the community” (p.113). One of the important class-based factors influencing students’ educational achievement is the social network of parents. According to Horvat, Weininger, and Lareau (2003), there are significant class-specific differences in the structures of parents’ social network. They argue that middle-class parents have more comprehensive and strong network with parents of their children’s peers at school, while the social network outside of working-class families is dominantly organized along kinship lines. The social capital that is made

\(^2\) The concepts, social capital and cultural capital, are sometimes used as exchangeable in contemporary research.
available to middle-class families through their social network of school peers has positive effects on a variety of aspects of their children’s school life. For example, middle-class parents can obtain information about their children’s performance at school through other parents, which also enables the reciprocal monitoring of children in schooling and in the organized activities outside of school. In contrast, the kinship network of working-class families has little to do with their children’s school performance. Rather, the ties with relatives usually help them with some economic problems, such as childcare, transportation, or clothing. Another significant difference is, middle-class families’ social network involves more professionals. As a result, middle-class parents have considerably greater resources at their disposal when some problems come up in the course of their children’s schooling. For working-class parents, when dealing with problems about their children’s education, they are highly dependent on the school.

The different architectures of social network, parents’ educational level, and their views of the appropriate division of labor between teachers and parents all decide that there are different family-school relationships associated with class positions. Lareau (1987) argues that schools have a standardized view of what kind of parental involvement is proper, however, the cultural resources possessed by different classes are not equally valuable in terms of complying with schools’ requests for parental participation. For example, schools usually emphasize positive, affirmative, and supportive family-school relationships. The middle-class parents are privileged in the sense that they feel more comfortable dealing with schools (Lareau, 1987; Horvat, Weininger, & Lareau, 2003). On one hand, they have more trust in teachers and school administrators. On the other
hand, if there were any problems, they feel more confident to intervene. In contrast, working-class parents begin to construct their relationships with schools with less ease and more suspicion. However, when presented with problems regarding their children’s education, they usually depend on educators to solve the problems and feel much less comfortable to speak up about their own opinions. Their relatively poor educational skills and lower occupational prestige compared to teachers make them feel less confident and less comfortable in monitoring and supplementing their children’s schooling.

2.3.3 Social Status and Higher Education Opportunity

Clearly, higher education is a key in the whole mechanism of social reproduction. Educational certificates, such as a bachelor degree, admit individuals to the dominant and respectable status group. According to cultural capital theory, students from middle- and upper-class families are more likely to get a college education (Steelman & Powell, 1991; Aschaffenburg & Maas, 1997; McDonough, 1997).

As previously discussed, in the early phase of educational careers family factors have a major impact on the development of those cognitive skills, tastes, and attitudes. Children from families with high status have already possessed the certain kinds of cultural capital that are recognized and highly rewarded in schools, which make them have precedence over their lower-class counterparts.

As children move through the educational system, those well-educated parents can provide their children with instrumental assistance, information about college application, the importance of college education, and future opportunities. They also establish and reinforce norms of expected behavior and achievement, and offer support
whenever their children are experiencing success or failure. All of these parental behaviors foster better academic performance and therefore better chances of getting into a college.

In addition, social capital is also important for educational achievement. Social capital, posited by Coleman (1988), consists of the relationship between (1) parents and children and (2) parents and other individuals and institutions that affect children’s development, is important for educational achievement. Parental networks may provide information about colleges and college application. As previously noted, middle-class parents’ network involves more professionals, which may provide connections to colleges and may facilitate the complicated process of college application, while working-class parents are often ill-informed.

Some researchers argue that with the educational expansion in capitalist countries after the World War II, there appears to be increasing equality of educational opportunity. However, although the expansion of schooling has been successful in reducing socioeconomic influences at lower levels of educational transitions, familial influences remain stable and strong at the college level (Katsillis & Rubinson, 1990; Marks & McMillan, 2003). Besides cultural capital and social capital, financial capital is another factor influencing the chances for students to obtain a college education.

Clearly, sufficient material support is important for family well-being. On the primary and secondary educational levels, the lack of financial resources put low-income students in disadvantage in terms of their access to diverse types of material resources, such as books, clothing, and stable housing. On the tertiary level, a good academic preparation is certainly one of the prerequisites for admission to college, while students from higher income families are more likely to obtain higher achievement (Perna, 2000;
Cabrera & La Nasa, 2001; Perna, 2002). Higher family income is significantly associated with children completing higher level of education because higher-income families are likely to have the economic capital to move to a good neighborhood, send their children to good schools, afford the cost of private preparation for standardized examinations, and provide the necessary time and attention to children’s schooling (Stafford, Lundstedt & Lynn, Jr., 1984; Behrman, Pollak & Taubman, 1989). In a word, economic factors are also associated with school success.

Some researchers (Steelman & Powell, 1989) argue that different types of capital have different impacts on children’s schooling at various point of an educational career. The researchers suggest that social and cultural capital provided by the family have profound influences on students’ academic development in childhood and adolescence, while the impact of financial capital is more significant on their opportunities to obtain a college education. Compared to elementary and secondary education, equality of opportunity to higher education is more problematic because in most countries higher education is only partially subsidized by the government and paying for a college education is largely the responsibility of students themselves and their parents (McDonough, 1997; Fitzgerald & Delaney, 2002; Gladieux, 2002). Students from low-income families have great difficulty paying the tuition and cannot afford to forgo the earnings associated with pursuing college education. Clearly, sufficient financial support from their families is important for students to be able to continue their education on the tertiary level. It is argued that since access is contingent upon unequally distributed parental income and wealth, the well-off families are able to secure a college education
for their offspring, and therefore maintain their advantageous positions in the occupational attainment contest.

The extent to which parents are willing to sponsor their children’s college education is highly associated with their family income (Steelman & Powell, 1991). By definition, low-income parents possess less economic resources to pay for college education. The lack of security in terms of financial capital also makes them to be less willing to get loans. Being ill-informed about the opportunities of financial aid makes them unaware of the net cost of college education and therefore they are less willing to invest on it.

2.4 Cultural Capital Research

Cultural capital theory has inspired many scholars who are interested in how education replicates existing social inequalities. Most of the social reproduction research found the concept of cultural capital to be useful, especially as articulated in the work of Bourdieu and his associates (Bourdieu, 1977a, 1977b, 1984, 1990; Bourdieu & Passeron, 1977). In the following, I will review research that has employed cultural capital theory to study the patterns of educational attainment across social groups.

Drawing on Weber’s notion of status groups and status cultures, and Bourdieu’s cultural capital theory, DiMaggio (1982) examined the impact of status culture participation on high school students’ educational performance in the United States. Following Bourdieu’s idea about prestigious cultural activities, DiMaggio measured high school students’ cultural capital by their involvement in highbrow cultural activities, such as art, music and literature class attendance. He concluded from his study that a
composite measure of cultural capital has a significant impact on high school grades even when family background and measured students’ ability are taken into account. In a subsequent study, DiMaggio and Mohr (1985) found that cultural capital has a positive net effect on higher education attendance and completion in the United States and that the effect is stronger than the effect of father’s education and that of students’ former high school grades.

One drawback of Dimaggio’s studies (DiMaggio, 1982; Dimaggio & Mohr, 1985) is that he and his colleagues only included students’ own cultural capital in their models but didn’t consider parents’ cultural capital. Aschaffenburg and Maas (1997) is one of the first studies that try to examine how the cultural capital possessed by parents and the cultural classes taken by students influence students’ educational career in the United States. By examining the impact of cultural capital in different stages of educational process, they pointed out that there is a strong interaction between parental cultural capital and children’s cultural participation for beginning college. For those students whose parents have college education, their own participation in cultural activities has larger positive effects on the likelihood of going to college compared to those students whose parents do not have college education. They further argued that since higher education is key for later life chances, the fact that children from families with high social status benefit more from the cultural participation in the transition from high school to

---

3. Cultural classes are used as a measure of cultural capital in some research. According to Aschaffenburg and Maas (1997), cultural classes usually include lessons or classes in the following cultural domains: “(1) music (voice or instrument); (2) visual arts (sculpture, painting, print-making, photography, or film-making); (3) performance (acting or ballet); (4) art appreciation or art history; and (5) music appreciation and music history” (p. 578).
college lends supports to Bourdieu’s cultural capital theory and social reproduction model.

Some American studies extend cultural capital theory to include ethnic minority groups in their research. For example, Roscigno and Ainsworth-Darnell’s study (1999) examined the link between racial inequality in educational attainment and family background. The findings they obtained from both general and race-specific models suggest that family’s social status largely determines the cultural capital and household educational resources available to children, which is consistent with the sociological explanations for the association between cultural capital and class differences. They further pointed out that family socioeconomic status, which is a particularly important factor of family background, varies significantly by ethnic groups, and that the racial gap in educational achievement is largely a function of the differences in cultural capital and household educational resources.

Research conducted in European countries has also found similar patterns. A study carried out by Paul De Graaf (1986) in the Netherlands found that parental cultural capital has significant effects on children’s educational attainment. Cultural capital explained 9 to 14 percent for different age cohorts of the effects of parental socioeconomic status on educational attainment of younger generation, after controlling for parents’ education and father’s occupational prestige. In his other study, Paul de Graaf (1988) examined the relationship between parents’ cultural resources and children’s grades and transition to secondary education by using data from a West German survey. The findings suggested that not only parents’ educational and occupational levels have substantial impacts on grades in arithmetic and language, the
reading climate at home also affects the grades directly. Using representative data for the Netherlands, Nan Dirk de Graaf and his colleagues (Nan Dirk de Graaf et al., 2000) also demonstrated that parents’ reading behavior has a significant impact on children’s educational attainment. They argued that parents who read frequently not only have more linguistic and cognitive skills at their disposal and pass them on to their children, but also provide a stimulating learning environment at home which resembles the school climate. In contrast, those children, whose parents do not read often, usually experience school as a hostile environment. They also lack the educational skills and attitudes that are rewarded in school.

Using the data from her own survey of senior high school students in England, Sullivan (2001) examined the distribution of cultural capital among different social classes and its impact on children’s educational attainment. Sullivan found that parents’ social classes and education are strongly associated with the cultural knowledge they possess. Moreover, there is a positive correlation between parents’ cultural capital and children’s cultural activities. These two findings back Bourdieu’s view that cultural capital is unevenly distributed according to social class and educational level, and that it is passed down from parents to children. However, Sullivan also pointed out that parents’ social class remains a significant influential variable on students’ educational achievement even when cultural capital is controlled for. She therefore indicated that cultural capital is not the only mechanism through which high-class families transmit their educational advantages to their offspring. There must be other mechanisms, such as family financial resources, that can explain the remaining differential in educational attainment for students from different social background. Similarly, Wong (1998) was
also concerned about the roles that different forms of family capital play in the educational attainment of children. Using national representative data in Czechoslovakia, Wong examined four components of family resources, which are human capital measured by father’s education, financial capital measured by family income and assets, cultural capital measured by eight highbrow cultural activities, social capital measured by the political membership status, respectively. His research indicated that each form of family capital is positively associated with children’s educational attainment. An increase in either form of family capital leads to higher educational attainment, especially at tertiary level. The cultural capital possessed by parents exerts a particularly strong impact on children’s college attendance. His findings pointed to the dependence of educational destination on social origins and therefore supported Coleman and Bourdieu’s theory about family’s active role in an intergenerational conversion process.

Most of the research presented above measure their respondents’ cultural capital by highbrow cultural activities they participated in or cultural classes they took in and out of school. Habitus, an important concept in Bourdieu’s cultural capital theory, was not identified as a single variable in the research previously reviewed. Dumais’s study (2002) filled this gap by joining cultural capital and habitus in her model for studying the relationship between social background and educational success in the United States. She used students’ occupational aspirations for the measure of habitus and found that for both female and male students habitus has a considerable effect on their schooling success. For those students who aspire to have occupations with high social prestige, they have higher grades in average than those who do not have high expectations for their future careers.
As previously noted, cultural capital theory argues that social classes are highly associated with the patterning of family-school relationships. The standard parental roles required by schools are not neutral. Instead, the school’s request for parental involvement may be laden with the social and cultural experiences of intellectual and economic elites. Therefore, parents with different class positions approach family-school relationship with different cultural capital and thus construct different forms of parental participation in their children’s schooling. Lareau (1987) conducted a qualitative study in two schools concerning the association between social classes and family-school relationship. Her analysis points to the importance of class and class cultures in facilitating or impeding parents negotiation of the process of schooling. First, she found out that although all parents think highly of educational success and all want their children to succeed in school, working class parents have lower expectations for their children’s educational attainment compared to middle-class parents. Second, working-class families have less economic resources, which make it more difficult for working-class parents to respond to schools’ request to attend school event. Third, middle-class parents develop more extensive and strong network with other parents and educational professionals, which provides them with more information about their children’s schooling and promotes the social ties between home and school. Generally, the difference observed in the patterning of parental involvement for different classes in this study “suggests that the concept of cultural capital can be used fruitfully to understand social class differences in children’s school experiences” (p.73). Horvat, Weininger, and Lareau’s more recent study (2003) focused on social-class differences in the parental networks and the roles of the parental network plays in children’s schooling. Consistent with the earlier study, their findings
demonstrated that parental networks vary across class categories. Their findings suggested that because of the resources they can obtain from parents of their children’s school peers, educators, and other professionals in their social networks, middle-class parents are more likely to be able to “customize their children’s educational careers in important ways – for example, by contesting a placement decision or obtaining additional resources for a learning-disabled child.” (p. 332). In contrast, working-class and poor parents, lacking these resources, were less likely to obtain a desired outcome for their children when dealing with such situations.

2.5 College Access Research

I have discussed the prior research that has examined the impacts of cultural capital in different stages of educational process, now I will turn to its implication in higher education. Broad-range studies have been conducted in the United States to examine different factors that influence students’ chance to go to college and graduate from college. In this section, I will present and analyze the prior research concerning college access and choice.

2.5.1. Family Background

Research in education usually uses socioeconomic status (SES), which is a combination of parental education, occupation and family income, to predict educational outcomes. Prior research (Coleman, 1988; McDonough, 1997; Perna, 2000; Cabrera & La Nasa, 2001) has consistently shown that the SES of student’s family is the most powerful predictor for college enrollment. Students from low SES families are less likely to go to college, and less likely to persist in college and graduate. Peng’s study (1977)
suggested that independent of academic ability, the college enrollment rate for students from the bottom SES quartile is still about the half of that for those from the top SES quartile. Moreover, social class is also highly correlated with institutional choice (Peng, 1977; Gladieux, 2002). According to Gladieux (2002), the most recent longitudinal data from the U.S. Department of Education shows that about 66 percent students from high SES families who attend colleges are enrolled in 4-year institutions, 44 percentage points higher than their counterparts from lowest socioeconomic quartile (p. 47).

Moreover, some studies in sociology that examined the social factors influencing students’ decisions to enroll in college also indicated that family income, parental education and occupation are all pivotal predictors for college enrollment when examined separately (Sewell, Hauser, and Wolf, 1980; Hauser, 1993; Kane, 1999; Blau and Duncan, 2000; Fitzgerald & Delaney, 2002).

In their study of intergenerational inheritance of social inequality, Blau and Duncan (2000) pointed out that occupational and social status are to an important extent self-perpetuating. Occupational and social status are associated with many other factors, such as education, family structure, and social networks, which all together confine individuals to certain status groups and make it hard to change. Blau and Duncan (2000) call such a situation “a vicious circle”, in which “each factor acts on the other in such a way as to preserve the social structure in its present form, as well as the individual family’s position in that structure…the cumulation of disadvantages (or of advantages) affects the individual’s entry into the labor market as well as his later opportunities for social mobility” (p.42). In their study, Blau and Duncan (2000) found that fathers’ education and occupation are the most powerful variables for predicting participants’
educational attainment and occupational achievement. When comparing race differences in college attendance across gender and class positions, Thomas and his colleagues (1979) also found that father’s education is a strong predictive factor of college enrollment across race groups. Students whose fathers have college degree are two and a half times more likely to enroll in college than were those whose fathers without a high school diploma.

Other studies (Kane, 1999; Fitzgerald & Delaney, 2002) pointed out that family income is central to family decisions about college application. Kane (1999) indicated in his study that the college entry rate for low-income students is much lower than that for students from better-off families even when the students from both groups have similar high school performance and similar test scores. Gallagher (1950) also pointed out that a lot of previous research, either with large quantitative data from statewide samples or qualitative data from case studies, all suggested that family income is a much more important factor than students’ ability and academic performance in deciding who has the access to college.

Previous studies have suggested a hierarchy of effects students’ background characteristics have on college enrollment. The order of effects, from strongest to weakest, is SES, race, and gender. In his study about college entry among African Americans, Hauser (1993) indicated that the odds that African Americans were enrolled in college within one year after high school graduation were less than half of the odds for whites in 1984. Despite the increasing rate of college participation among minority groups in the recent years, Breneman and Merisotis (2002) pointed out in their study that, the college enrollment gap between whites and those of other races has been persistent in
the last 25 years. Perna (2002) also indicated in her research that African Americans, Hispanics, and American Indians continue to be underrepresented among college participants and degree recipients.

Although whites are more likely to attend college than blacks, this difference can be largely attributed to class background and family income. Other research (The Journal of Blacks in Higher Education, 1994 & 2001) suggested that there is a strong correlation between black family income and college participation and graduation rates. The studies pointed out that the average wealth of black families is only one seventh of that of white families, and black families are three times as likely to be poor as white families (The Journal of Blacks in Higher Education, 2001, p. 8). The financial reason is believed to considerably contribute to the college enrollment gap between blacks and whites. The findings suggested that as blacks moving up the income ladder, their college enrollment rates increase significantly. For those blacks from family with annual income of $40,000 or more, the college participation rate of the age cohort 18 to 24 is double the rate of black youths from families with income under $10,000 (The Journal of Blacks in Higher Education, 2001, p. 9). Moreover, this group of blacks from families with income more than $40,000 is also more likely than their white counterparts to attend college. The research further pointed out that low family income is the primary deterrent in keeping low-income blacks from completing their college degrees. Because of the lack of adequate financial support from home, low-income students have to take part-time or full-time job in order to pay for the tuition and fees while enrolled in college, which makes it more difficult for those students to keep up with their studies and hence receive poor grades. Many of them have to drop out of school due to their poor academic
performance. The research emphasized that this situation is more common to black students given that low-income students tend to be disproportionately blacks.

2.5.2 Parental Involvement

The existing research has also shown that parental encouragement and involvement is the important force in students’ college participation (Coleman, 1988; McDonough, 1997; Perna, 2000; Cabrera & La Nasa, 2001; Swail and Perna, 2002). Students from higher social class are more likely to have academic supports from their parents and to have a home environment in which they can acquire intellectual skills they need to do well in school (Jencks, et. al, 2000). Parents with lower social class status are less likely to involve in their children’s academic activities and less able to provide necessary information about college access and choice (Hagedorn & Fogel, 2002).

2.5.3 High School Climate

In her study, McDonough (1997) investigated a variety of organizational context and cultures in high school as they have an influence on students’ decision-making about college enrollment and choice. Her research found that students in prestigious high schools are highly encouraged to attend college, not only by counselors but also by almost everyone in the school. Teacher-student interactions, course content and college counseling are all directed to support college planning. In contrast, schools serving working-class students are less likely to involve in college enrollment decisions of students. Jencks and his colleagues (Jencks, et. al, 2000) also found that there is a relationship between high school status and their students’ educational attainment. Their study suggested that, “attending a high school in the top fifth boosts the average student’s
eventual attainment about half a year above the expected level, while attending a high 
school in the bottom fifth lowers high probable attainment about half a year” (p.172).

2.5.4 Self-Expectation and Academic Preparation

Prior research also shows that students’ self-efficacy and academic preparation 
are important predictors of college enrollment decisions (Hauser, 1995; Cabrera & La 
Nasa, 2001; Perna, 2000; Perna, 2002). In their study, Cabrera and La Nasa (2001) found 
that academic qualification is one of the defining characteristics of college participants. 
Perna (2000, 2002) also pointed out that academic ability, as a combined measure of test 
scores and academic track, is powerful at predicting college enrollment regardless of 
races. Peng and his colleagues (1977) found that students from academic high school 
programs are far more likely to attend college than their counterparts from non-academic 
track when socioeconomic background is controlled. Not surprisingly, the findings of 
Thomas and his colleagues’ study (1979) suggested that students from lower-class 
families are less likely to be placed in college preparatory programs compared to their 
middle-class counterparts when academic ability is controlled. Hauser (1995) indicated 
that students’ self-efficacy and aspirations provide useful and valid clues for their college 
enrollment plans. Students’ aspirations for schooling and careers exert impacts on their 
school performance and thus influence their postsecondary education opportunities.

2.5.5 Financial Aid

Financial aid is money provided to needy students to help pay for higher 
education costs. It can be used toward tuition fees, room and board, books and supplies, 
transportation, living expenses and other costs associated with going to college. As 
suggested by a lot of American researchers, an adequate financial package is a necessity
to make higher education affordable to all. The package should include need-based grant assistance for the most promising students from low-income families, student loan programs available to all eligible students, and a work-study program (Cronin & Simmons, 1987; Hauptman & Koff, 1991; Fecso, 1993; Lee, 1999). The grants and loans should be sufficient in amount to make possible the enrollment of the financially disadvantaged but academically qualified students.

Previous research (Coleman, 1988; Perna, 2000; Cabrera & Nasa, 2001) consistently demonstrates that there is a powerful correlation between good academic performance and high family socioeconomic status. Students from families of lower socioeconomic status are less likely than others to get high achievements that are good enough to qualify for an award. That is to say, when aid is based on personal achievements such as academic performance, the students who are most in need of financial assistance to make a college education even possible are the least likely to get a scholarship. Moreover, research (Jackson, 1978) also reveals that low-income students are more responsive to financial aid than other students. Therefore, targeted, need-based financial aid is the most effective strategy to expand college access for students from families with low socioeconomic status.

A lot of research in the American higher education (McPherson & Schapiro, 2002; Gladieux, 2002; Heller, 2002; Lee, 2002) reveals that grant dollars are more effectively targeted on low-income students and do encourage the enrollment, whereas loan funds do not appear to affect many decisions of these students to go to college. Instead, the prospect of debt likely discourages economically disadvantaged students from considering applying to college. Moreover, if these low-income students drop out of
college, the situation for them would get even worse. As indicated by Gladieux (2002), they will have to leave college “with no degree, few skills, and student loan debt to repay” (p. 48). Jenson’s research (1978) also suggested that financial aid is positively correlated to college persistence. The larger the amount of assistance students receives, the more the likelihood for them to complete their degrees.

2.6 Conclusion

Bourdieu’s cultural capital theory analyzes how culture and education interact and thereby contribute to the social reproduction of inequality. Expansive college access research, inspired by Bourdieu’s theory, has shown that student’s college access is a complex product of family backgrounds, high school climate, parental involvement, and students’ self-efficacy and academic preparation. Since students’ college choice process is a complex procedure that involves many variables which play different roles in different stages, a lot of conceptual models have been developed to examine the process. In the next chapter, I will review different economic, sociological, and combined models for understanding students’ college planning process and then discuss the conceptual framework for the study.
Chapter 3: Models of Student College Choice

3.1 Introduction

The previous chapter presented and discussed the theory and literature on status attainment and college access and choice. Cultural capital theory argues that social stratification is closely linked to the system of education and, specifically, to higher education. Whether a person continues his/her education at the postsecondary level and in which kind of postsecondary institution he/she chooses to enroll have a major impact on life chances, occupational status, and wealth. Research reviewed in Chapter 2 supports the premise of cultural capital theory by proving that family socio-economic status, parental expectation and involvement, and student achievement all play a large role in the likelihood of attending college. Based on the theory and research outlined in Chapter 2, this chapter will present the conceptual framework for the study.

3.2 Perspectives on Student College Choice

According to Hosseler, Braxton, and Coopersmith (1989), college choice process can be defined as “a complex, multistage process during which an individual develops aspirations to continue formal education beyond high school, followed later by a decision to attend a specific college, university or institution of advanced vocational training” (p. 234). Although the previous research has identified a variety of factors that influence students’ decisions to enroll in college and their interrelationships, the student college choice process is still difficult to study because it is a longitudinal and developmental process during which the different factors play different roles. Many conceptual frameworks and models have thus been developed to explain the complexities and
dynamics of the choice process. Hossler, Schmit, and Vesper (1999) identify three types of college choice models: economic models, status-attainment models, and combined models. Each type of models postulates an important variable set in order to understand a student’s choice of whether or not to attend a college and of which college to attend.

Economic models assume that individual students strive to maximize their utility and minimize risk (Hossler, Braxton, & Coopersmith, 1989; Hossler & Stage, 1992; Hossler, Schmit, & Vesper, 1999). Therefore, an individual will choose to attend college if the perceived benefits of college attendance are greater than non-college alternatives. Following the same logic of cost-benefit analysis, economic models suggest that students will select a particular postsecondary education institution (PEI) if the perceived benefits of attendance at this institution outweigh that at other PEIs. Economic models are rooted in the assumption that individuals are rational and obtain all needed information to make decisions that are in their best interest. Economic models take into account college costs, financial aid, student background characteristics, and high school and college characteristics.

Status-attainment models of college choice focus upon the identification of factors, such as family background, cultural capital, social networks, and schooling conditions that influence aspirations for a college education. As pointed out by Hossler, Schmit, and Vesper (1999), status-attainment models are largely concerned with the role of family socio-economic status in education and career decisions, which in turn lead to the attainment of social stratification. Different from economic models, status-attainment models reject the assumption of students and parents as rational decision-makers who have ready access to all the necessary information. Instead, status-attainment models
emphasize that an individual is guided by his/her position within structures of access and constraint when making choices and that the consequences of the choices are also shaped by these structures. For example, family socioeconomic status has direct impact on student college choice, and also influences a series of other attitudes and behaviors that are related to college choice.

3.3 Combined Models of Student College Choice

Although both economic models and status-attainment models have indicated important sets of variables that influence student decision-making with regard to college attendance and college selection, neither of these conceptual frameworks successfully explained the student college choice as a longitudinal and cumulative process. A group of combined models, by drawing upon the strengths of both economic and sociological models, have been developed in order to provide a better conceptual approach to explain student college choice. Litten (1982) outlines a three-phase model, which depicts three distinctive steps in the college choice process. The first phase refers to a period during which a student first develops his/her aspiration to attend a college and then makes the decision to pursue a college education. The second phase involves collecting information and identifying postsecondary options. The final phase includes application for submission and enrollment in a particular institution. Jackson’s college choice model (1982) shares some similarities with Litten’s model. His model also includes three stages: preference, exclusion, and evaluation. In the first stage, students develop their preferences for certain options. In the second stage, students form a choice set. Some students might exclude colleges as unfeasible, and others might not consider anything
else other than a college education. The final stage is that of evaluation. Students evaluate
the available alternatives and choose one institution to attend.

Based on Litten (1982) and Jackson (1982)’s models of student college choice
and Chapman’s work (1981) done on the important variables and their interrelations on
students’ decision-making about college choice, Hossler and Gallagher (1987) develop a
comprehensive and accessible three-phase model for college-going process. Since the
introduction of this model, researchers have heavily relied on it and widely used it as a
conceptual framework for understanding the complex processes that determine college
attendance and choice. The three phases of the model are labeled as 1) predisposition, 2)
search and 3) choice. In their 1987 article, predisposition is defined as “a developmental
phase in which students determine whether or not they would like to continue their
education beyond high school” (Hossler & Gallagher, 1987, p. 209). For those students
who decide to pursue a college education, the second phase is the time when they begin
to seek information about colleges and universities that they might be interested in
attending, and develop a list of these colleges and universities which is known as the
“choice set”. As Hossler and Gallagher (1987) describe it, “the choice set is the group of
institutions to which students will actually apply” (p. 209). The final stage is the choice
stage. At this stage, students evaluate their choice set developed in the second stage, and
make a decision to attend one of those colleges and universities based upon the
institutional characteristics that are most important to them and their own background
characteristics. Hossler and Gallagher distinguish themselves by forming a
comprehensive three-dimensional model of college choice that includes both individual
and organizational influences at each dimension. That is to say, in their model, each
phase is understood as containing a set of individual and organizational variables that interact with each other and work together to culminate in specific outcomes.

Combining status attainment and econometric theories, Hossler and Gallagher’s model has provided a conceptual framework in which both traditions can assess each other and allowed researchers to more holistically examine the phenomena of college access and choice. A number of scholars have relied on this model to explore influential factors that impact different stages of the college choice process. By combining traditional econometric measures and measures of social and cultural capital, Hossler and Gallagher (1987) provided a framework that views college choice as more than an economic investment, but as a cultural and social decision as well.

3.4 Conceptual Framework of the Study

The conceptual framework proposed for this study (Figure 3.1) is based on the model of Hossler and Gallagher (1987), but expands the three stages of college choice (predisposition, search and choice) to four. A lot of previous research on college access and choice has indicated that the process of student college choice approximately starts in the middle school (Hossler & Gallagher, 1987; Hossler, Braxton, & Coopersmith, 1989; Nora & Cabrera, 1992). However, Hossler and Gallagher (1987) also note that one of the most important background characteristics, students’ SES, has a “cumulative effect on college enrollment plans that begins in preschool and continues throughout the formal years of schooling” (p. 210). Focusing on the factors that contribute to success in school, Bempechat’s study (1998) also indicates the importance of early childhood effects on cognitive development and academic achievement. Her findings demonstrate that high-achieving children have experienced similar early family
education and have similar perceptions about their parents’ educational beliefs and practices. The prior research presented in the literature chapter also reveal the importance of early family education and of the role of academic performance in demand for education. A number of studies point to the role that stimulating academic performance could play in the breaking of cycles of disadvantages based on SES. Therefore, considering these two points: 1) early childhood family education has a strong impact on academic achievement, and 2) academic performance is one of the most powerful variables that influence the student college choice, the conceptual framework for this study expands the three stages of college choice to four by adding an earlier stage, “Early Influences”, to the three stages proposed in Hossler and Gallagher’s model – Predisposition, Search and Choice. The early influences stage covers the period from birth to the end of elementary education.

In the conceptual framework, the two important elements that impact the whole process of the student college choice are cultural capital and economic capital. The cultural capital element includes three constructs: academic preparation, parental preferences and expectations and parental involvement. The constructs that represent the economic capital are parents’ ability to pay for education and their willingness to pay. Table 3.1 presents these constructs and the individual variables that make up the constructs. These variables are taken from the literature on cultural capital in Chapter 2.

The construct Academic Preparation includes early family education, education planning, reading and learning environment at home, and school choices. A number of studies (Cabrera & La Nasa, 2001; Hauser, 1995; Perna, 2000; Perna, 2002) indicate that as students’ academic achievement increases, so does the likelihood of college attendance. As previously discussed, according to cultural capital theory, family factors have a major
impact on the development of cognitive skills, acquaintance with cultural cues, and
cultivation of certain attitudes with studying that are recognized and highly rewarded in
the formal school education. A stimulating reading and learning environment at home can
also contribute to the development of linguistic and educational skills, which increases
students’ academic abilities. Finally, there is a relationship between family’s socio-
economic status and school status (Jencks, et. al, 2000), which in turn has an influence on
students’ decision-making about college enrollment and choice (McDonough, 1997).

Five variables identified in the literature of cultural capital and college access make up
the construct Parental Preferences and Expectations. The five indicators include parents’
expectation about school (as communicated to the student), parents’ encouragement for
schoolwork, communication styles, disciplines at home, and rules about schoolwork and grades.
The extant research has also shown that parental preferences and expectations are an
important force in the student’s college participation (Coleman, 1988; McDonough, 1997;
Perna, 2000; Cabrera & La Nasa, 2001; Swail and Perna, 2002). There is a strong
relationship between the amount of parental encouragement students receive to attend
college and their subsequent college plans. As cultural capital theory indicates, parents
play an important role in shaping students’ attitude toward schooling in general and
higher education in specific. Students with parents who had college experiences and
strongly encourage the student to attend college are more likely to be planning to go to
college. Of course, parental knowledge and expectations can be effective only if the
student can take advantage of this cultural capital. To make the sources of cultural capital
available to the student also depends on how often and how well parents and the student
communicate with each other. Therefore, the conceptual framework of this study will
take into account the importance of early and sustained discussion about educational topics and the importance of a high level of discussion between parents and the student relevant to college decisions.

Three indicators make up the construct Parental Involvement. While there may be some overlap between “expectation” and “participation” this construct assumes more concrete resources and actions that are related to college planning. It includes parental participation in visiting college campuses, helping select a set of institutions for application, and making the final decision to enroll in a particular college. Prior research indicates that parental involvement is a strong predictor of the student’s postsecondary plan. Having a parent with a high level of education does not only affect student’s academic achievement and aspirations, but more importantly the actual process of college choice. The parent’s knowledge of and comfort with navigating particular aspects of the college search can facilitate a student’s successful matriculation. The parent’s experiences with college application and actions like going on college visits can benefit the student and promote college access.

The two constructs that represent economic capital are parents’ ability and willingness to pay for education. Family income, an important aspect of family’s socio-economic status, operates in a direct way on college decisions. As prior research indicates, students from high-income families are more likely to go to college, and are also more likely to choose four-year institutions. In the choice stage, family income can limit what students believe are their realistic options. Furthermore, family income interacts with other factors, such as cost of educational materials, and thus impact student’s academic performance that, in turn, is related to college planning.
On the primary and secondary school levels, low-income students can be put in a
disadvantaged position because of the lack of financial capital limiting their access to
educational resources, such as books and after-school classes. On the tertiary level,
sufficient financial support from their families is even more important for students to
consider pursuing a college degree and to persist in college. Researchers point out that
parents’ willingness to pay for education is highly associated with their family income
(Steelman & Powell, 1991). By definition, low-income parents possess less economic
resources. Because of the lack of security in terms of financial capital, low-income
parents are less willing to invest in their children’s education. Since there is overlap
between parents’ ability and willingness to pay for education, these two constructs share
four indicators: spending on books and other educational objects, spending on
extracurricular activities and other after-school classes, choosing a middle school,
choosing a high school, and criteria for college choice (such as institutional cost and
financial aid).

3.5 Conclusion

Figure 3.1 presents the conceptual framework of this study that identifies how the
various social and economic factors affect the different stages of student’s decision-making
process about college planning. As discussed earlier, the conceptual framework is a derivative
from Hossler and Gallagher’s model of the student college choice, with its key phases of
predisposition, search, and choice. The first stage, Early Influences, is added to Hossler and
Gallagher’s model in order to capture the importance of early family education and the unique
characteristics of habitus for different social classes. The treatment of the predisposition phase
also requires some comments. According to Hossler and Gallagher (1987), the predisposition stage refers to the phase in which students determine whether or not they want to pursue a college education, which usually happens in the third year of middle school or the first year of high school. However, later on, Hossler and his colleagues (Hossler, Braxton & Coopersmith, 1989) define the predisposition as the time when “students arrive at a tentative conclusion to continue, or not continue, their formal education after high school graduation” (p. 249). The inclusion of the word “tentative” is important because it gives the model more flexibility. Elsewhere, Hossler also points out that students with parents having a high level of education might make their college plans earlier (Hossler, Schmit & Vesper, 1999). Therefore, the conceptual framework of this study expands the predisposition stage to cover the time from the beginning of middle school to the beginning of high school. It aims at revealing the early college planning of some students while capturing the tentative decisions about college attendance from other students.

This study is aimed at contributing to our understanding of students’ college choice process in China. To better understand this complex process, the following chapter will provide some background information about the profound social changes that have been undertaken in China and the resulting inequalities of participation in higher education. In chapter 4, I will discuss the unique Chinese political and economic conditions, the social stratification in China, and the unequal opportunities for higher education.
Figure 3.1
Stages in College Decision Making and Elements of Cultural Capital and Economic Capital Influenced by Family’s Socioeconomic Status

- **Pre-Disposition Stage** (Birth ~ Elementary School)

- **Pre-Disposition Stage** (Middle School)

- **Search Stage** (The First Two Years in High School)

- **Choice Stage** (The Senior Year in High School)

### Constructs of Cultural Capital
- Academic Preparation
- Parental Preferences and Expectations
- Parental Involvement

### Constructs of Economic Capital
- Parent’s Ability to Pay for Education
- Parent’s Willingness to Pay for Education

### Cultural Capital

### Economic Capital

![Diagram of Stages and Constructs](image-url)
### Table 3.1 Variables Associated with Cultural Capital and Economic Capital

<table>
<thead>
<tr>
<th>Elements</th>
<th>Constructs</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Cultural Capital</strong></td>
<td>Academic Preparation</td>
</tr>
<tr>
<td><strong>Variables</strong></td>
<td>Early Family Education</td>
</tr>
<tr>
<td></td>
<td>Education Planning</td>
</tr>
<tr>
<td></td>
<td>Reading and Learning Environment at Home</td>
</tr>
<tr>
<td></td>
<td>School Choices</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Economic Capital</strong></td>
<td>Parent’s Ability to Pay for Education</td>
</tr>
<tr>
<td><strong>Variables</strong></td>
<td>Spending on Books and other Educational Objects</td>
</tr>
<tr>
<td></td>
<td>Spending on Extracurricular Activities and Other After-School Classes</td>
</tr>
<tr>
<td></td>
<td>Choosing a Middle School</td>
</tr>
<tr>
<td></td>
<td>Choosing a High School</td>
</tr>
<tr>
<td></td>
<td>Criterion for College Choice (such as institutional cost and financial aid)</td>
</tr>
</tbody>
</table>
Chapter 4: Social Stratification and Higher Education Opportunities in China

4.1 Introduction

The political and economic situation in China has been changing dramatically in the wake of post-1978 market-oriented reforms. The political reform is mainly embodied in the emphasis shifting from class struggles to economic development. Instead of mobilizing the masses for continual political campaigns with class struggles to strengthen the proletarian dictatorship, the emphasis of government policies switched to extensive economic revitalization. The new leadership after Mao wanted to make its national power strong by realizing “four modernizations”\(^4\). The economic reform aimed at transferring the former planning economy to a market-oriented economy. With the establishment and development of a market-oriented economic system, the previous highly centralized planning and control began to be replaced by more local, enterprise initiatives and a certain degree of market regulation. These changes in the political and economic fields inevitably brought about a process of class transformation, creating new mechanisms of social stratification and causing new income inequalities and unequal educational opportunities.

4.2 Changing Mechanisms of Social Stratification

It is well established that different political and economic institutions produce different patterns of social stratification and inequality (Szelenyi, 1978). Therefore, in

\(^4\) At the National Educational Work Conference in April 1978, the president Deng Xiaoping brought up for the first time the phrase “four modernizations”. Four modernizations refer to the modernization of national defense, of industry, of agriculture, and that of science and technology.
order to understand the changing mechanisms of stratification in China, one needs to recognize the differences in the government-controlled redistributive economy and the market economy regarding the redistribution of resources and the allocation of welfare among social groups and the intergenerational mobility.

### 4.2.1 The Redistributive Economy

The economic structure in the state socialist China before 1978 reform can be described as a redistributive economy (Nee, 1989). Redistributive economy refers to the institutional basis that the state owns economic resources, collects the returns to these resources, and distributes the earnings and welfare to individuals according to their political power and their positions in the state’s bureaucratic system. Given the fact that the state systematically redistributes resources and opportunities, the state undoubtedly plays a central role in the stratifying mechanism. As argued by Zhou, Tuma, and Moen (1996), the state policies and political processes exerted significant impacts on individuals’ life chances in the state socialist China. Only when one’s family social origin was supported by state policies, an individual could get ahead in terms of educational attainment and work opportunities. According to Szelenyi (1978), in the redistributive economy, the members of the elite class actually control the resources in the disguise of the state. These elites are “redistributors”, including high-ranking officials and professionals, who are in a conflict of interest with “immediate producers”, such as workers and peasants.

However, it should be noted that in the state socialist China under Mao’s leadership, the working class was politically favored and regarded as the leading class.
Urban working class and peasants were regarded as the most trustworthy and supportive class of the newly founded communist China under the leadership of the working class. Therefore, although the working class and peasants were still in disadvantageous and powerless positions compared to cadres and high-ranking party members, some of the state polices were carried out in favor of workers and peasants. In the later discussion, we will see how the college admission policies in Mao’s era benefited children from working class or peasants’ families.

4.2.2 The Market Economy

The status hierarchy mainly based on political criteria, which was anchored in the redistributive economy in the state socialist China, has eroded since the 1978 reforms. The emerging market-oriented economy introduced new mechanisms of resource allocation and also created conditions for new patterns of social stratification. As put by Zhou and his colleagues (Zhou, Tuma, & Moen, 1996),

In the market economy, political and economic transactions are based on the principle of exchange. In this institutional structure, initial endowments of resources have a lasting effect on social position because private property rights prevail and stabilize the relative opportunities of various groups based on their preexisting social and economic resources. Not surprisingly, then, until very recently social mobility and stratification in industrialized market societies have been characterized by persistent advantages of initial resource endowments (p. 762).

As we have seen in the literature review chapter, extensive research conducted in the capitalist societies has consistently found that children from high socioeconomic backgrounds are more often exposed to highbrow cultural activities at home and that those who enter the school with more cultural endowments are more likely to do well in school and subsequently to have better chances of achieving high levels of schooling.
Cultural capital is a principal vehicle through which background inequalities are translated into differential academic rewards and which in turn lead to unequal social and economic rewards, thereby maintaining and legitimizing the reproduction process. In the industrialized market societies, economic capital, human capital, and social capital all operate in the same way as cultural capital. These different forms of family-based resources can be invested to enhance profitability and facilitate upward mobility. Therefore, different from the redistributive economy in which individual’s socioeconomic status is largely determined by the state polices and political conditions, individual life chances in industrialized market societies reflect “a high degree of stability of the relative social status of social groups” (Zhou et al., 1996, p. 763).

China has now undergone more than two decades of reform. During this period of time, the Chinese government gradually whittled away the institutional basis for the redistributive economy and introduced market-based economic transactions. Meanwhile, the old system remained and played important roles in shaping the transition from one system to the other. The creation of a mixed “socialist- market” economy has drawn attention from both Chinese and Western scholars. Victor Nee’s market transition theory is one of the earliest attempts to examine the social changes brought by the economic reforms in China. His thesis emphasized the role of markets in societal transformation and predicted that markets would ultimately diminish the power of the state and alter stratification. According to Nee (1989, p.663), “The transition from redistributive to market coordination shifts sources of power and privilege to favor direct producers (i.e., entrepreneurs) relative to redistributors (i.e., cadres).” Besides Nee’s market transition
theory, some other scholars have proposed alternative explanations that emphasize the persistence of political power (Bian & Logan, 1996) or the coevolution of politics and markets (Zhou, 2000), which also considerably contributed to the study of large-scale social changes in the transitioning Chinese society. The interaction between politics and emerging markets has brought about substantial changes to the stratification order.

4.2.3 The Changing Social Stratification

During the 30 years of Mao’s reign, China’s pattern of stratification and mobility has been determined by politically ascriptive standards. People were divided into two opposing classes: “People’s Classes” and “Class Enemies” (Lin, 1991). People’s classes included Communist Party members, revolutionary cadres and soldiers, workers, and peasants, while “Class Enemies” consisted of the former landlords, entrepreneurs, and intellectuals. As previously noted, although workers and peasants were politically favored, the resources were controlled and redistributed by party members and cadres in the name of the state. In this cadre-dominated social hierarchy, “class enemies” were abused, tortured, and even persecuted to death, especially during the period of the nationwide political turmoil – the Cultural Revolution (1966-1976) (Lin, 1991).

Class structure and income stratification have experienced fundamental changes in China for three decades. The previous social order based on political positions and loyalty to Communist Party has eroded while China is transitioning from the redistributive economy to the market economy. Nevertheless, cadres are still in an advantageous position in market transactions compared to other social groups, argued by many scholars (Zhou, 2000). Those who once held or still hold political positions can
influence the state policy making in order to advance their group interests. Moreover, these cadres in powerful positions can use their social networks and their political power to capitalize on opportunities and economic benefits. As put by Zhou (2000), “Those with positional power have advantages in access to both resources and the market-induced opportunities, relative to other social groups: previous ‘redistributors’ may now profit from economic arena in the role of ‘regulators’ in market transactions or as parties of economic transactions.”

The state policy of discriminating against certain classes, such as entrepreneurs and intellectuals, was officially discontinued after the 1978 reform. Researchers argue that there existing a “dual-elite model” in the transitioning Chinese society (Bian, Breiger, Davis, & Galaskiewicz, 2005). Besides those cadres who use their political positions and social ties to actualize economic interests, intellectuals gain high-paying jobs in the market sectors and new entrepreneurs also receive high earnings to their investments. Some scholars (Bian, Breiger, Davis, & Galaskiewicz, 2005; Lin, 2006) argue that these skilled professionals (such as professors, lawyers, doctors, and engineers) and new entrepreneurs form the emerging “middle class” in China.

In contrast to the continuing privileged positions of cadres and the rising social status of intellectuals and entrepreneurs, the high status recognition of manual workers and peasants has substantially declined when the role of market institutions is increasing. Manual workers, who were provided with lifetime employment and an impressive array of collective benefits, including state-owned housing and health insurance, are now exposed to intense economic competition in the newly reconstructed urban labor markets.
And, millions of manual workers who used to work in the state-owned industries are laid off (Lin, 2006). The effect of unemployment has been devastating for laid-off workers, especially middle-age female workers who were least likely to find a job in the labor market. Peasants, who have been always among the poorest, are now still living in low economic levels. Some peasants therefore chose to leave the countryside and come to the urban area in search of job opportunities. Most of them end up in heavy manual labor but low-paying work with poor working condition and benefits (Bian, Breiger, Davis, & Galaskiewicz, 2005; Lin, 2006). The unemployed workers, the ever-increasing migrant “peasant workers”, and retired workers have formed the new urban poverty stratum. As indicated in Lee and Selden’s article (2007, p.10), a new class of urban poor had emerged in China, which was estimated to be about 15 to 31 million and comprised four to eight percentage of the urban population.

4.3 Higher Education Reforms in Mao’s Era

Educational reforms in China often, if not always, respond to some political campaigns or economic readjustments. Therefore, the development of higher education in the People’s Republic of China has followed an uneven road since 1949 when the People’s Republic of China was founded. Educational policy and practice have shifted and adjusted in response to numerous political campaigns and state policies. In the following, I will briefly introduce the higher education reforms in the 1950s, and then discuss the several changes made to college admission policies under Mao’s leadership.
and the associated different forms of social inequalities in terms of educational opportunities.

4.3.1 The Formation of the “Soviet Model”

Before discussing the current reforms in Chinese higher educational system, we must be aware of the first wave of reforms coming in 1952, which was an extensive restructuring of the existing institutions of higher learning at that time. The period from 1949 to 1957 is the early period of socialist construction. The most important and urgent task for the Chinese Communist Party (CCP) at that time was to revitalize the national economy after the 8-year Sino-Japanese War and the 4-year Civil War\(^5\). Thus, the main task for future higher education development set forth at the first National Education Work Conference held in June 1952 was to serve economic construction, which is the foundation for all the other construction (Hayhoe, 1996).

The reforms carried out under Soviet guidance as a part of the efforts associated with the First Five-year Plan (1953-1957) have been summarized under the term “the reordering of colleges and departments” (Hayhoe, 1984). In this round of reforms, Chinese universities that had fairly comprehensive departments and programs including liberal arts, sciences, engineering, agriculture and medicine were dismembered. Former colleges of engineering, agriculture, law and medicine within comprehensive universities were split off, and then became independent colleges, or were combined with other similar departments or colleges and then transformed into independent institutions (Du, 1992; Hayhoe, 1984). By the end of 1953 when the restructuring had been basically

completed, comprehensive universities in China were reduced to 14, while the specialized colleges markedly increased (Chinese Ministry of Education, 1985). Thus, a new higher educational system patterned on a “Soviet Model” has been built up in China.

4.3.2 The Evolution of College Admission Policies

The primary concern in this reform is to restructure the whole higher education system in ways that would make it gear to the needs of economic and social development and to produce a large number of specialized personnel for the nation’s rehabilitation and economic revitalization (Du, 1992). To achieve this goal, the college admission policy placed an emphasis on academic qualifications by recruiting students who had high test scores in the national unified college entrance examination. It was biased in favor of the bourgeois intellectuals because children from these families had better parental coaching and thus performed better in the examinations.

The phase 1958-1965 witnessed an economic contraction following the economic disaster of the early 1960s. The state policies gradually shifted from economic revitalization to political campaigns. In higher education, the college admission policy also increasingly emphasized family background and downplayed academic qualifications (Zhou, Moen, & Tuma, 1998). The rationale behind this change was that the class conflicts and struggles still existed in the Chinese society and that the former exploiting classes would try to overthrow the Communist Party governance. In order to prevent this from happening, the college admission policy in this period was biased in favor of students from working class and peasants’ families because they were “People’s
Classes”, which the Chinese Communist Party had to rely on to fight against those “Class Enemies” (Niu, 1992).

The next period, 1966-1976, encompasses the years of the Cultural Revolution. Education, especially higher education, was seen as the most important institution for cultivating successors for the proletariat cause (Lin, 1991). As a result, labor and political loyalty were valued over academic achievement. In this phase, the national unified college entrance examination was eliminated, and social origin became the one and only criterion for deciding who was eligible for higher education. Children from intellectual families or former land-owning families were totally shut out of higher education institutions. In contrast, all colleges and universities were mandated to open their doors to students whose parents were labor workers and peasants (Du, 1992; Niu, 1992).

The changes in educational priorities reflected the shifts of state policy concerns. And the different college admission policies decide which social groups have better access to higher education and have carried direct implications for the social inequalities in a particular period of time. In general, the emphasis on academic achievement has resulted in a high proportion of children from intelligentsia families being admitted, while the consideration of class background or political stance has favored children from working class or peasants’ families as well as the children of political cadres.

4.4 Higher Education in the Reform Era

Using class background and political loyalty as the only criterion for college admission was discontinued in 1977. With the new leadership coming into power, the
state policy priorities once again shifted to economic development. The three-tiered national examination system was restored in order to select and train the most talented for the revitalization and development of the national economy.

During the 10 years of the Cultural Revolution, educational processes and institutions were severely disrupted. It was only after the 1978 reforms that relatively systematic and balanced efforts began to be made to develop higher education. A series of policy readjustments have been made in Chinese higher education with regard to management, finance, structure, and curriculum during the nearly two decades of reform. In the following, I will overview the development of higher education in the reform era, with a focus on two important national policies that were implemented in the 1990s regarding enrollment in and the financing of higher education.

4.4.1 The Institutional Amalgamation Policy

In the 1980s when the Chinese economic and political reforms have been carried out for several years, Chinese government decided to start a series of reforms in higher educational system that attempted to overthrow the “Soviet Model” built up in the 1950s. One of the primary features of the Soviet Model is the government’s strong control over colleges and universities (Hayoe, 1996). The higher education administrative system in the early 1980s was still the one that was developed in the state-planning economy and concordant with the rigid political control at that time. With the state government controlling higher education planning and policy-making and with excessive uniformity and a rigid system of management, colleges and universities had no autonomy in their own development. Institutions that were responsible for the same field of study
had the same course outlines and unified textbooks fixed by the central government. The enrollment quotas set by the government had to be filled every year. Moreover, the government set the national unified placement for college graduates, and this kind of placement had to be fulfilled by each institution (Du, 1992). Under such a strong control by the state, colleges and universities were unable to take the initiatives to make adjustments to their programs and course offerings to meet the needs of the economic and social development. When the nationwide political and economic reforms brought about local initiatives, enterprise autonomies, market regulations and a certain degree of political democratization, the problems of the Soviet model became prominent. With the high tide of economic and political reforms sweeping over the country, both the state government and the academia called for reforms in higher education.

The central government carried out a series of policies with regard to higher education administrative system in the reform era. I will only focus on the institutional amalgamation policy and higher education expansion.

As noted before, the changes in the political and economic fields in China brought the crucial role of education into sharp focus, and, at the same time, gave impetus to the educational reform. At the National Educational Work Conference in April 1978, the president Deng Xiaoping emphasized the importance of education by saying: “To realize the four modernizations, science and technology are the keys…and education is the foundation” (Niu, 1992, p.43). To build the relatively poor and backward China into a modern and powerful nation “before the end of the century” (CCP Central Committee, 1978), a great challenge was presented to Chinese higher education which was charged
with the important task of producing sufficient human capital for the national development. Therefore, higher education in China had to undergo corresponding changes to provide and foster the personnel and knowledge required for the development of the national economy and the accomplishment of the four modernizations.

Among several policies initiated by the Chinese government in the higher education field, the institutional amalgamation policy was carried out to increase the capacity of higher education institutions (HEIs) and to nurture talents with multiple intelligences. The institutional amalgamation policy was enacted and implemented by the central government in 1992 (Zhao, 1998). “Amalgamation” means encouraging institutions of higher learning to merge with each other in order to build up more comprehensive universities (Ji, 1998; Zhu, 1995). Because colleges and universities were relatively small and extremely specialized in the Soviet model, there was a lack of economies of scale. As a result, the ability of institutions to recruit students was quite low (Zhao, 1998). The aim of the amalgamation policy is to increase the enrollment by increasing the economic scale and encouraging universities to share educational resources. In terms of physical resources, students and faculty can share laboratories, libraries, lecture halls, classrooms and other places which were not open to students and faculty of other institutions before merger. In terms of human resources, the merged institutions have free access to exchanging faculty and staff (Ji, 1998; Hayhoe, 1996).

The main stimulus for expanding the enrollment to higher educational institutions is the rapid economic development in China and the urgent demand for highly educated personnel. In the 1980s and early 1990s, higher education participation rate in China (just
over 4 percent) was incompatible with China’s rapid economic growth which had an annual average GDP growth rate of 9.89 percent between 1978 and 1994 (World Bank, July 2001). The World Bank advisors and Chinese scholars all pointed out that without a corresponding substantial increase in the higher education participation rate, China could not sustain its rapid economic growth. The college enrollment expansion is to be aimed at producing more human resources for China’s long-term development. Moreover, China was being urged by advisors from the World Bank to consider a rapid expansion of the higher educational system toward the threshold of mass higher education, which has been identified as 15 percent of the age cohort of young people between eighteen and twenty-two years old who are enrolled in higher education (World Bank, 1986).

The amalgamation policy was carried out under these concerns about efficiency and equity, and reached its apex of implementation in the late 1994 and the early 1995. Between 1992 and 1995, more than 70 institutions merged into 28 institutions and over 100 institutions set up cross-institution consortiums (Zhu, 1995). Admittedly, the institutional amalgamation policy did enlarge the enrollment to the higher education. According to a project document of the World Bank about China (World Bank, 1999), the 1978-1994 period witnessed remarkable growth in the enrollment of public, regular higher education institutions -- from 0.86 million in 1978 to 2.8 million in 1994. Full-time students in undergraduate and short-cycle courses grew at an annual growth rate of 7.7 percent (p. 3). Especially during the phase of 1992 to 1995, the annual growth rate of enrollment to higher educational institutions was as high as 11.6 percent (See Figure 4.1).
4.4.2 Higher Education Expansion

Although the consolidation of institutions certainly increased the enrollment to higher education, China’s level of human resource development in the late 1990s still lagged behind the world average, which only about the world average in 1970 (Zha, 2007). On the other hand, China continued to enjoy magnificent economic growth and became a major player in the world economy. Responding to the fast economic development, Chinese higher education is charged with the tasks of creating more human resources and generating knowledge for China’s long-term development. Moreover, with the rapid development of China’s economy and resulting improvement of people’s life, the social demand for higher education has become significantly greater. As a report points out (China Education and Human Resource Task Force, 2003, p. 43), education
has become the second largest consumption item in China in the late 1990s, only next to food. To meet the economic demand for more human resource and the social demand for greater access to higher education, higher education massification was put on the Chinese government’s policy agenda. The East Asia Financial Crisis in 1997 also triggered the higher education expansion in China. Influenced by the serious financial crisis happened in most Asian countries in 1997, China also faced a rising unemployment rate and economic stagnancy. The Prime Minister Zhu Rongji, being advised by two economists in Asian Development Bank, decided to propel the consolidation of higher educational institutions (Wei, 1999). The intention was to encourage the investment in higher education, stimulate college students’ consumption on campus such as expenditures on the food and boarding, and reduce the demands for employment by keeping a large number of students in school. Because of the belief that the expected large-scale consumption and investment in higher education by households would stimulate domestic economic development, the expansion of higher education was thus placed much importance.

The further expansion of higher education in the late 1990s has brought about significant increase in enrollment to Chinese HEIs. As indicated by Zha’s report on higher education massification (2007, p.1), less than four percent of people in the 18-22 age group enrolled in HEIs in 1990 compared to 19 percent in 2004. The total number of college students in 2004 exceeded 11 million, while the number in 1990 was only about 2 million. Figure 4.2 shows this great increase in access to higher education.
However, with the rapid increase in enrollment, the Chinese government was no longer able to provide sufficient funds to colleges and universities. The higher educational system, which was exclusively reliant on government funding, had to quest for alternative revenues. In the face of the cost pressures accelerated by the increased enrollment, the central government enacted the Pay-to-Learn policy, in the mid-1990s (Tang, 1998).

4.4.3: Pay-to-Learn Policy

When the government finances could no longer satisfy the development of higher education institutions, tuition and fees were introduced for the survival of Chinese higher education. The “Pay-to-Learn” policy set out to make parents and students responsible
for shouldering part of the costs of college education. The rationale behind this policy was that “those who benefit from it should pay for it” (The International Comparative Higher Education Center, 2000, p. 2). At the National Conference on Higher Education in 1992, Zhu Kaixuan, the deputy commissioner of the State Education Commission, stated that, “The whole society’s concept of higher education should be changed. It should be made clear that higher education does not fall into the category of compulsory education and, in principle, all university students should pay for their way.” (cited in Wang, 2001, p. 208). The proponents of cost-sharing argue that college students tend to be drawn from wealthier families that have the capacity to help their children study and place more importance on their learning performance. Therefore, providing the college students with free higher education, which is actually paid by regressive taxes, is to use the government funding to support the elites from the socially and economically advantaged families and thus is not equitable. Moreover, higher education is a good personal investment because it raises its beneficiaries’ incomes later in life. Thus, college students should pay for their education by themselves (The Economist, 1997).

In 1994, the State Commission mandated 46 pilot colleges and universities to implement the “Pay-to-Learn” policy. For the first time in the history of P.R. China, institutions of higher learning charged students for tuition and fees. Since 1997, this policy has spread out over the whole higher education field (Tang, 1999).

Tuition varies considerably for different institutions, for different majors, and for different grades (The International Comparative Higher Education Center, 2000; Central Education Research Institute, 2001). First, prestigious universities charge more than other
universities and colleges. Second, within the same university, popular and marketable majors such as computer science, foreign languages, and economics and business charge higher tuition than others such as agriculture, forestry and geology. Some other majors without high market values also charge relatively higher tuition because of their higher instructional costs, such as performance arts and music. Third, because that amounts of tuition are fixed for the whole four-year or two-year undergraduate period and that tuition increases every year, students in lower grades are generally charged higher tuition than those who are in higher grades within the same institution.

As noted before, the huge enrollment expansion to higher education led to more demands for revenue. To meet higher education’s daunting financial requirement, the governmental revenue has been growing in China since 1997. The central government appropriation to higher education was increased from RMB (Renminbi, Chinese dollar\(^6\)) 342.6 billion in 1998 to RMB 613.3 billion in 2001 (Shanghai Academy of Education and Technology, 2002). The increase rate is 80 percent. Meanwhile, the central government authorized institutions more autonomy to develop new ways of raising revenue. Running institutional enterprises, offering executive training programs, providing various other services such as contractual research and consultancy, and seeking donations from alumni and corporate entities, all provided valuable income to institutions (Wang, 2001). Therefore, the institutional revenue has grown at annual rate of 58.8 percent, from RMB 202.2 billion in 1998 to RMB 553.3 billion in 2001 (Shanghai Academy of Education and Technology, 2002). However, the most astounding fact is that the tuition and fees have

---

\(^{6}\) Renminbi (RMB), also called Chinese Yuan (CNY) or yuan, is Chinese currency. One United States dollar (USD) equals to 7.5 CNY. The exchange rate was last updated on January 3, 2008.
grown four-fold in this period (1998-2001). The revenue from tuition and fees was RMB 73.1 billion in 1998, which increased to RMB 298.7 billion in 2001 (See Table 4.1).

**Table 4.1: Different Channels of Revenue to Public Postsecondary Education in China from 1998 to 2001**

<table>
<thead>
<tr>
<th>Year</th>
<th>1998</th>
<th>1999</th>
<th>2000</th>
<th>2001</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Total Revenue</td>
<td>544.8</td>
<td>704.2</td>
<td>904.4</td>
<td>1166.6</td>
</tr>
<tr>
<td>The Government Appropriation</td>
<td>342.6</td>
<td>429.5</td>
<td>512.7</td>
<td>613.3</td>
</tr>
<tr>
<td>The Institutional Revenue</td>
<td>129.1</td>
<td>153.9</td>
<td>199.1</td>
<td>254.6</td>
</tr>
<tr>
<td>Tuition and fees</td>
<td>73.1</td>
<td>120.8</td>
<td>192.6</td>
<td>298.7</td>
</tr>
</tbody>
</table>

Source: Shanghai Academy of Education and Technology (2002).

Obviously, the governmental appropriation accounted for a smaller percentage of the total revenue to higher education in 2001 (52.6%) than that in 1998 (62.9%). The share of the total revenue from institution-generated funds also decreased, though at a lower rate. In contrast, students and their families were asked to pay for a larger portion of their college education costs in the form of tuition and fees that accounted for 25.6 percent of the total revenue in 2001 compared to 13.2 percent in 1998 (See Figure 4.3).
4.5 Financial Assistance Policies in Higher Education

Given the dramatically increasing tuition and fees, today’s students, particularly students from low-income families, are facing enormous financial challenges in achieving access to higher education. To help these low-income students overcome the financial barriers, China had begun to establish a financial aid system in the late 1990s, which include scholarships, grants, and subsidized and unsubsidized loans (Han, 2002).

Financial aid is money provided to needy students to help pay for higher education costs. It can be used toward tuition fees, room and board, books and supplies, transportation, living expenses and other costs associated with going to college (Lee, 1999). The overriding goal of the financial aid system is to ensure the college access and

Source: Shanghai Academy of Education and Technology (2002).
choice to low-income students (Lee, 1999; Kane, 1996). Ensuring college access means that lack of money should not be the primary obstacle preventing needy students from continuing their education at the postsecondary level, while ensuring college choice means that needy students should have the right to choose the academic field according to their professional aspirations and interests.

4.5.1 Financially Needy Students

Before discussing the financial aid system in Chinese higher education, it is necessary to make clear the standard for identifying so-called “needy students” and who they are. The economic development in China is substantially unbalanced throughout the country. Some areas fall away behind the more progressive areas. In general, the central and western regions are behind the eastern part of China in progress, and the rural area is less developed in comparison to the urban area. Because of such an uneven development, the standards for distinguishing needy students and the ratios of needy students in the whole student population largely vary in different areas and different institutions. In Beijing, the capital of China, students from low-income families make up 15 percent of the total enrollment in universities and colleges at all levels in 2001 (Gui, 2002). Among them, the students whose family income is under the poverty level account for five percent of the total. In the same year, Shanghai, the biggest and wealthiest city in China, has 230,000 students currently enrolled in colleges and universities. Among them, there are 36,800 students whose monthly family income is below RMB 280 (the local basic living level), which is 16 percent of the total enrollment. The number of students whose monthly family income is below RMB 195 (the local poverty level) is 18,700, accounting
for eight percent of the total (Liu, J. & Liu, D., 2002). The average ratio of financially
needy students in the total college student population across the nation is 20 percent. In
some backward regions and some least marketable and competitive majors, the
percentage of low-income students reaches 30 percent of the total enrollment (Zhang,
2001).

In a survey conducted in Shaan’xi province, the data shows that 70 percent of the
needy students come from the rural area (Central Education Research Institute, 2001).
Actually, given that the annual per capita net income of rural residents is less than a half
of per capita disposal income of urban residents (Chinese National Statistics Bureau,
2000), most of needy students coming from the countryside are to be expected throughout
the nation. Before the cost-sharing policy was implemented in China, higher education in
China had acted as a powerful mechanism for upward mobility, allowing the talented to
thrive irrespective of their social origins. Especially for those students who were born in
farming families, going to college and then finding a job in the urban area is the only way
in which they can expect to lead better-off lives. How to help those academically
qualified but financially needy students go to college is becoming a substantial problem
that the Chinese government and institutions must deal with. Means-tested grants and
student loan programs are one possible approach to addressing this problem, which will
be discussed in the following section.

4.5.2 Scholarships and Grants

Recognizing that financial barriers are severely restricting higher education
accessibility, the Chinese government has created a series of programs designed to help
students pay for college education. There are two basic types of financial aid offered by the government, merit-based and need-based grants. Merit-based scholarships are awarded to students based on their individual achievements, such as test scores, activities, special talents, community service, etc. Need-based grants are rewarded to students and families based on their eligibility and demonstrated need.

All public institutions of higher learning in China have established Outstanding Student Scholarship (OSS) supported by the central government. Generally, this scholarship is awarded to students based on their academic performance and extracurricular activities (Liu, 2002), and the precise standards for selection are decided by individual institutions. However, the central government set specific requirements for the amount of this scholarship and the ratio of students being awarded. There are three levels of OSS. Five percent of students of the total can be awarded the first level of OSS that is RMB 350 for an academic year. Ten percent of students are able to gain the second level of OSS of which the annual amount is RMB 250. Another 10 percent of students are qualified for the third level of OSS and can gain RMB 150 for an academic year. Institutions are allowed to reduce the ratio of the first level of OSS winners and increase the third level of OSS gainers according to their specific institutional circumstances. However, the OSS students at all levels should be no more than 35 percent of the whole student population (China Education News, 2001).

The second form of scholarship is National Speciality Scholarship (NSS) (China Education News, 2001; Liu, 2002). Similar to OSS, the amount of NSS and the quota of students being awarded are prescribed by the central government, and the specific
requirements are regulated by individual institutions. Students who are currently enrolled in education, agriculture, forestry, geology, and marine sciences are all eligible for NSS. NSS is also classified into three levels. Five percent of students in these majors are awarded the first level of NSS that is about RMB 500 for an academic year. Ten percent of students are granted to the second level of NSS of which the annual amount is RMB 400. The rest of students are eligible for the third level of NSS that is RMB 300 per year.

The third form of scholarship is National Career-Based Grants (NCBG) (China Education News, 2001; Liu, 2002). Students who pledge to go to work in the remote and backward area or to work in mining, forestry and geology fields for a minimum period of 5 years after graduation enjoy this grant. The service obligation is required. Students who fail to fulfill the promise would be obligated to repay the subsidies in one lump sum to the institution. There are also three levels of NCBG, with the maximum award of RMB 500, RMB 450, RMB 400 per student per year, respectively. Different from OSS and NSS, of which students need to compete for different levels of awards every academic year, Career-Based Grants are automatically renewed for the whole four-year or two-year undergraduate period.

National Scholarship for Outstanding Needy Students (NSONS) is based on both merits and needs (Liu & Lan, 2002). China established this national scholarship on September 1st in 2001 to help outstanding students from low-income families pay for their college education. The central government spends RMB 2 billion a year on the NSONS program. This national scholarship has two levels of grants. The first level grant is awarded to 10,000 students nationwide. The amount of grant is RMB 6,000 per student
per year. The second level grant is awarded to 35,000 students nationwide, which is RMB 4,000 per student per year. For those who are awarded the NSONS, institutions must exempt their tuition and fees for that year.

Tuition reduction or tuition remission is an institutional-level grant that is aimed at helping needy students pay for their college education (Liu, 2002). In theory, students who are disabled, orphans, from minority ethnic groups or from a family in which parents are revolutionary martyrs are eligible for the reduction or remission of tuition. However, in practice, since these awards represent a loss of tuition revenue, many institutions try to shirk the responsibility by simply not publicizing this policy. Therefore, few eligible students actually pay reduced tuition or get exempted from tuition charge.

4.5.3 Student Loans

China started the National College Student Loan Program in the fall of 1999, “marking the country’s first partnership with the private sector in higher education” (MuMurtie, 1999). Under this program, the state-owned Chinese Industrial and Commercial Bank provides funds to students who are currently enrolled in public colleges and universities. An experimental loan program was first established in eight cities including Beijing, Shanghai, Chongqing, Wuhan, Shenyang, Xi’an, Nanjing on September 1st in 1999, and eventually reached to all colleges and universities throughout the country in the fall of 2000 (China Education News, 2001). There are two basic types of student loans. One is the subsidized student loan, and the other is the unsubsidized student loan.
The subsidized student loan is also called Student Credit Loan (SCL) (China Education News, 2001). Students whose family income is below the national poverty level are eligible for this loan program. The amount of loan equals tuition and fees plus living expenses minus family contributions minus other forms of scholarships and grants. The subsidized loan can be further classified into two types, loan for tuition and fees and loan for living expenses. The maximum loan for tuition and fees is the actual tuition and fees charged at specific institutions. The loan is distributed annually and deposited to the institution directly from the bank. The amount of loan for living expenses is no more than the minimum living expenses in the city in which the institution is located. The loan is distributed monthly and deposited to the student bank account (Chinese Ministry of Education, 2001).

The Student Credit Loan program does not require any kind of financial guarantee. However, applicants need to have one introducer (usually the officer in student financial office) and two eyewitnesses (could be teachers or classmates), who can prove that the information provided by the applicant is accurate. Applicants must be 18 or older, and currently enrolled in a two-year or four-year public college or university as a full-time degree seeking undergraduate student. Applicants must provide information about the annual family income and demonstrate financial needs (China Education News, 2001; Chinese Ministry of Education, 2001).

For the subsidized student loan, the interest rate is the same as the prevailing commercial rate (10.8 percent in the spring of 2000) (Johnstone, 2002, p. 9). Students need to pay 50 percent of the interest charge when they are still enrolled in college, and
the central government pays the other half. The length of repayment is up to 8 years for four-year university students and 6 years for two-year college students. In other words, students only have four years to repay the loan after graduation. If they continue their study in masters or doctoral programs, the repayment period can be extended till four years after they graduate from their masters or doctoral programs. If students could not repay the loan within the time limit, it is their parents who have legal responsibilities to repay the loans (China Education News, 2001; Chinese Ministry of Education, 2001).

The student financial office in individual institutions is responsible for reviewing the application materials for the Student Credit Loan program. The number of needy students should be no more than 20 percent of the total enrollment (China Education News, 2001). The institutional student financial office then reports to the Student Loan Center periodically. The Student Loan Center was established in the fall of 1999, which is a non-profit agency backed by the central government (MuMurtie, 1999). Its headquarter is in Beijing, the capital of China. For every province, there is a division in the provincial capital that runs the Student Credit Loan program.

The Student Loan Center makes the final decision about the amount of the individual student loan and sends its decision directly to the bank that is associated with the institution in which the student is registered. The bank does a final review of the student application materials, and then informs the institution of the names of eligible students and the amount of loans after ensuring the authenticity of their information. Institutions are responsible for helping students fill out application forms (Liu, 2002).
The Student Credit Loan is the largest loan program in China. Besides this national subsidized loan program, there is Neediest Student Loan program in each individual institution that is designed to help low-income students to cover the expenses associated with university participation (China Education News, 2001; Liu, 2002). The institutional Neediest Student Loan is awarded only to students with financial need. The student borrows directly from the institution where they are currently enrolled. Under this loan program, students are charged no interest. The length of repayment is up to 6 years after graduation. The amount of loans equals the tuition and fees plus the living expenses minus other forms of financial assistance. Higher education institutions select the recipients and are responsible for collecting the repayments.

Students from the middle-class families may be too wealthy to receive the subsidized loan, but lack the resources to pay the sticker price out of their own pockets. For those students, the unsubsidized loan is helpful. The state-owned Chinese Industrial and Commercial Bank provides unsubsidized loans to any student who is attending a postsecondary institution as a full-time undergraduate. The interest rate is the prevailing commercial rate. Students and banks can negotiate the specific repayment period.

4.6 Inequalities in Chinese Higher Education

Prior research has indicated that the stratification order in the Chinese society has substantially changed in the reform era and that the reforms have brought about profound inequalities in terms of income and educational opportunities. With the socialist market economy emerging, the educational stratification in China became to resemble that of a
capitalist society (Zhou, Moen, & Tuma, 1998). Using the representative data from 20 cities in China, Zhou and his colleagues analyzed that in the post-Mao era (1978-94), a clear pattern of high school and college participation across social groups has been emerging. Their analysis supported the cultural capital argument that father’s educational level, father’s occupational status, and family’s socioeconomic status all have significantly positive effects on children’s educational attainment. Drawing on her extensive field work conducted in a number of schools and universities, Lin (2006) also pointed out that the burgeoning new middle class in China could send their children to expensive private schools or key public schools by paying astoundingly high tuitions, making private donation, or using social networks. Receiving a better basic education in these privileged schools, in turn, promotes the children’s chance to enroll in college. This era of economic transformation clearly favors the children of cadres and professionals, while those from the working class and peasants’ families are facing the declining access to college education.

Besides being ostracized for their low academic standing, the children of workers and peasants are also facing enormous financial challenges in achieving access to higher education. As previously noted, the tuition charges have skyrocketed in the recent years. Some low-income students are being forced to terminate their higher education, and others are discouraged from applying for university admission. As Beeberg and Zhang (2001) has pointed out, the problem that concerns many Chinese people is that “the imposition of private tuition has reinforced the basic critique of the post-Mao reforms as reinstating or exacerbating invidious social inequalities and education, once again
reproducing class privilege” (p. 3-4). Although efforts have been made to establish a financial aid system that is aimed at mitigating the adverse effects of tuition and fees on financially disadvantaged students through grants and loans, the extremely low capacity of the financial aid cannot truly relieve the financial pressures of needy students. For example, in 2001, 534,000 students have applied for what the government promised would be RMB 400 million in the student loans. Only 170,000 students received the loans, and they received an average of 37 percent of what they asked for, reaching a total of RMB 145 million (Jiang, 2001).

Last but not least, the stratification of colleges and universities in China became more manifest in the reform era. As part of the administrative reforms in higher education, the central government carried out the Project 211 in 1993. This policy expressed intentions of the state to identify a hundred top universities and give them the special financial support (Wang & Wu, 1993). Interestingly, this policy encouraged the implementation of the amalgamation policy, because the size of campus, the diversity of programs, as well as the number of faculties and students are all in the consideration. Presidents of colleges and universities and faculty and staff all became more active in merging with other universities in order to position their institutions in such a way as to qualify for selection into the project 211. The amalgamation policy and the project 211 therefore joined hands with each other to classify the universities. Those universities in this elite group are now receiving considerably more governmental appropriation, and having better faculty and more advanced facilities, and recruiting students with higher scores in the college entrance examinations (Hayoe, 1996). In 1998, another policy, the
Project 985, was conducted by the Chinese government, which was aimed at developing world-class universities in the 21st century by providing those universities with substantial state government funding (Zhu, 2007). Undoubtedly, graduates from these elite institutions have a better chance to achieve high-ranking positions in the labor market.

The prior research conducted in the capitalist societies indicated that social class is highly correlated with institutional choice (Peng, 1977; Gladieux, 2002). According to Gladieux (2002), the most recent longitudinal data from the U.S. Department of Education shows that about 66 percent students from high SES families who attend colleges are enrolled in 4-year institutions, 44 percentage points higher than their counterparts from lowest socioeconomic quartile (p. 47). In his study about educational stratification in Japan, Ishida also found that students who are from economically and socially advantaged families disproportionately attend elite institutions. Whether or not such a pattern of college enrollment and college choice exists in China is a part of my research questions. In the next chapter, I will first elaborate on my research questions and then discuss the methodology employed to answer them. In addition, the next chapter outlines the fieldwork and discusses the data collection and analysis.

---

7 The Project 985 comprises 39 universities. Please see the appendix for the list of universities.
Chapter 5: Research Design

5.1 Introduction

As Shulman (1988) suggests in his book about disciplines of inquiry in education, research method is the quality ascribed to research activity and thus distinguishes a disciplined inquiry from mere observation and speculation. He further argues that since research findings are unlikely to be commensurable if researchers disagree on the research method, debates have been going on for a long period of time about the strengths and weaknesses of the different research methods. The dominant research paradigm that has guided educational studies has been quantitative research method. The philosophical assumption underlying quantitative research is that educators can investigate the social world in the same way as the scientists study the natural world, and that a researcher’s job is to discover the one objective reality (Mertens, 1997). In contrast, qualitative research is based on the philosophy that reality is socially constructed. That is to say, no research on social phenomena can be value-free. The social construction of reality in research can be only conducted through the interaction between investigators and participants (Marshall & Rossman, 1999).

I have reviewed prior cultural capital research and college access research in the second chapter. Most of the studies have employed quantitative techniques to examine the impacts of cultural capital on educational attainment. When concerning higher education opportunities, although prior research has consistently demonstrated a strong relationship between students’ college access and choice and their family background, students’ decision-making process is to a large extent still unexplored. I argue that a
qualitative study can make an important contribution by providing insights into the underlying actions that produce or expend cultural capital, thereby complementing quantitative research.

5.2 Research Questions

According to Yin (2002), what distinguishes research methods from one another is the nature of research questions. Case study, in particular, deals with “how” and “why” questions because these kinds of questions are more explanatory for which case study is suitable. Other researchers (Merriam, 1998; Stake, 1998) also agree that it would be fruitless to start research without identifying research questions, and that the nature of research questions decides the research method.

As previously noted, there has been a strong tradition of quantitative research on the topic of college access and choice. Although the studies are different in the design of the regression models, with different focuses on parental cultural capital (Graaf, Graaf, & Kraaykamp, 2000), on students’ cultural participation (DiMaggio, 1982), and on structures of parental social network (Horvat, Weininger, & Lareau, 2003), the main research questions have been the type of “what” questions—what variables are powerful for predicting educational attainment, and what factors are important in influencing college choices. The multivariate analysis has indicated that social class, cultural capital, and social capital all have statistically significant impacts on college plans. Nevertheless, how those variables shape students’ opportunities for a college education largely remains unknown. Therefore, this study endeavors to fill such a gap in research by exploring how
class-based differences in family’s cultural capital and economic capital influence students’ decision about college application and their choice of college. This study addresses two major questions:

1. How does a high school senior in today’s college admissions environment in China make decisions about whether or not to go to college? And, if the student has decided to apply to college, how does he/she make decisions about where to go to college?
2. How does this decision-making process vary by the student’s social class?

5.3 Definitions of a Case

As defined by Creswell (1997), “a case study is an exploration of a ‘bounded system’ or a case (or multiple cases) over time through detailed, in-depth data collection involving multiple sources of information rich in context” (p. 61). The question is, however, how to define this “bounded system” or a case. There is a divergence in understandings about what consists of a case. Stake (1995) regards a case as an integrated and clearly bounded system. Therefore, a person or a program is very likely to become a case in the view of Stake, while a relationship, an event, or a process is less likely to fit the definition of a case and thus is less likely to become an object of case study research. Yin (2002) also thinks that an individual or an organization might be a well-defined case, but decisions, programs, implementation process and organizational reforms also can be regarded as the case. He defines case study research as “an empirical inquiry that investigate a contemporary phenomenon within its real-life context, especially when the
boundaries between phenomenon and context are not clearly evident” (Yin, 2002, p. 13). From his definition about case study research, we can clearly see two points about a case from Yin’s perspective. First, a case study is to study “a contemporary phenomenon”. Therefore, a case should be bounded by time. If there is no practical or theoretical end in a program, event, or process, this specific program, event, or process is not bounded enough to qualify as a case for case study research. Second, it is important for case study research to explore the relationship between a case and its context. As Yin points out, an experiment purposefully separates a phenomenon from its context in order to explore several variables of the specific phenomenon. In contrast, case study research is to study a case in its physical setting, and to investigate the case in its historical, cultural and economic contexts.

In this study, the cases are bounded by place and time. Two high schools were chosen – one is a provincial key high school, and the other is an ordinary high school. Both of the schools are located in the city of Wuhu. Wuhu is a middle-size city in Eastern China. The city has a total area of 3,317 square kilometers. As of the 2004 census, it had a total population of more than two million. Compared to Beijing, the nation’s capital, or Shanghai, the largest industrial center in China, both of which enjoy better opportunities than other urban areas in China, the political, economic, and educational situations and the social structure in Wuhu are more representative. A general description of the city’s demographic characteristics, economic conditions, and the educational system will be presented in the next chapter in order to provide a context for the investigation of the two

---

8 One kilometer equals to 0.62 mile.
high schools. At each high school, ten students were chosen as the cases for the study. The period of time for observations and interviews was April 2006, which is one month before high school senior students taking the national unified college entrance examinations in China. Generally speaking, by the end of April, high school seniors are supposed to make their mind about their college application and college choice.

5.4 Sampling and Units of Analysis

After identifying initial research questions, the researcher needs to concern himself/herself with the issue of sampling. As Patton (1990) points out, “[p]erhaps nothing better captures the difference between quantitative and qualititative methods than the different logics that undergird sampling approaches” (p.169). Because of the aim of striving for generalization, quantitative research is typically based on large and randomly-selected samples, which is usually called “probability sampling” (Patton, 1990, p.169). In contrast, qualitative research usually opts for “purposeful sampling” (Patton, 1990, p.169). Purposeful sampling is to choose information-rich cases from which investigators can gain broader and deeper understandings about the phenomenon under the study, and thus the samples are usually small. There are different strategies for purposeful sampling recommended by several authors (Patton, 1990; Merriam, 1998; Yin, 2002). First, a single case is selected for study when the case is critical in testing a pre-existent theory. Second, a case can be selected because of its uniqueness. Third, a case is likely to be chosen if it’s typical and helpful to understand other cases. Fourth, Maximum variation sampling is to try to include cases of a great diversity, from which researchers can
discover some patterns. Fifth, convenience sampling is to choose cases based on the concerns about money, time, and location. Finally, snowball, chain and network sampling is to ask participants or interviewees to refer the researcher to other informants. Each sampling approach serves a particular research purpose.

It was mentioned earlier that 25 students from two high schools in a middle-size city in China were chosen as the cases for the study. One of the two high schools is a key high school, and the other is an ordinary high school. Key schools in China enjoy privileged governmental appropriation, better school facilities, and recruit highly qualified teachers than ordinary schools. Therefore, one of each kind was chosen for the study to better present the diverse educational contexts. The key high school selected for the study is my Alma Mater. I contacted two of my old teachers, one of them now is the principal of the school and the other is the director of the student affairs office. I had formal interviews with both of them in order to better understand the school’s historical, cultural, and economic contexts. From the student affairs office, I obtained some descriptive data about its student population including their age, gender, origins of residence, and family background. Based on the data acquired from the office, I purposefully selected ten students for interviews which represent different combinations of gender, origins of residence, and socioeconomic status of families. Their homeroom teachers and some of their parents were also interviewed whenever it was possible (See, Table 5.1). The director of the student affairs office put me in contact with the principal of one ordinary school. Basically, the same research procedure was carried out in the ordinary school. However, to my surprise, there was no student in the class picked for the
study at the ordinary school was qualified as a middle-class student⁹. Because this situation was unexpected, I had to go back to the key high school to oversample its middle-class students. I ended up interviewing 14 students at the key high school, including seven middle-class students, five working-class students and two students from farmers’ families, and 11 students from the ordinary high school, including eight working-class students and three students from farmers’ families. In total, 25 students were interviewed. Their family and school backgrounds are presented in the following table.

### Table 5.1 Number of Interview Subjects by Family Type

<table>
<thead>
<tr>
<th>Family Type</th>
<th>School Type</th>
<th>Students Interviewed</th>
<th>Parents Interviewed</th>
<th>Homeroom Teacher</th>
<th>Principal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Middle-Class</td>
<td>Provincial Key High School</td>
<td>7</td>
<td>10</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>Ordinary High School</td>
<td>0</td>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Working-Class</td>
<td>Provincial Key High School</td>
<td>5</td>
<td>7</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ordinary High School</td>
<td>8</td>
<td>4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Farmer’s Family</td>
<td>Provincial Key High School</td>
<td>2</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ordinary High School</td>
<td>3</td>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

However, after having done the transcriptions, I compared the narratives of the students from the same kind of family background and found that their stories often had some similarities. For example, the two students from farmers’ families who were interviewed...

---

⁹ I used parents’ education and profession to define middle-class students. If at least one of the student’s parents has received higher education and was working as a professional, the student was regarded as a middle-class student.
studying at the key high school had very similar experience: They both came from a low-income family, both went to a key university, and both made some compromises when choosing the college major because of financial concerns. Considering the limited time and funding, I decided to choose only one of the two students for more thorough examination. The one chosen for more complete description and detailed analysis had more information available – his parents were both interviewed. For the same reason, only three out of seven middle-class students and five out of 13 working-class students were described and examined in details. When reducing the sample size, I followed two rules. First, I picked those cases that I regarded as unique and representative. Second, I selected those cases with more information available. Altogether, 11 cases were studied in details. Table 5.2 summarizes their socio-economic status, their school type and ranking in class, and their final college choice. The background characteristics of the 14 cases that were excluded from in-depth analysis are presented in Appendix B.
Table 5.2 Cases Presented in the Study

<table>
<thead>
<tr>
<th>School Name</th>
<th>Student’s Name</th>
<th>Family Type</th>
<th>Gender</th>
<th>Class Ranking (Out of 45 Students)</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuzhong High School</td>
<td>Cai Shuang</td>
<td>Middle Class</td>
<td>Female</td>
<td>2</td>
<td>Beijing University</td>
</tr>
<tr>
<td></td>
<td>Ruan Wei</td>
<td>Middle Class</td>
<td>Male</td>
<td>32</td>
<td>Greenwich University</td>
</tr>
<tr>
<td></td>
<td>Wang Yicheng</td>
<td>Middle Class</td>
<td>Female</td>
<td>14</td>
<td>Fudan University</td>
</tr>
<tr>
<td></td>
<td>Shi Juan</td>
<td>Working Class</td>
<td>Female</td>
<td>28</td>
<td>Anhui Normal University</td>
</tr>
<tr>
<td></td>
<td>Zhang Peng</td>
<td>Working Class</td>
<td>Male</td>
<td>19</td>
<td>University of Science and Technology in China</td>
</tr>
<tr>
<td></td>
<td>Li Qunhuan</td>
<td>Farmer’s Family</td>
<td>Male</td>
<td>22</td>
<td>Shanghai Transportation University</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>School Name</th>
<th>Student’s Name</th>
<th>Family Type</th>
<th>Gender</th>
<th>Class Ranking (Out of 63 Students)</th>
<th>University</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nancheng High School</td>
<td>Gao Manyue</td>
<td>Working Class</td>
<td>Female</td>
<td>57</td>
<td>Not Admitted</td>
</tr>
<tr>
<td></td>
<td>Huang Xiaomin</td>
<td>Working Class</td>
<td>Female</td>
<td>3</td>
<td>Anhui Normal University</td>
</tr>
<tr>
<td></td>
<td>Zhang Huifeng</td>
<td>Working Class</td>
<td>Male</td>
<td>5</td>
<td>Anhui University</td>
</tr>
<tr>
<td></td>
<td>Lin Congbo</td>
<td>Peasants</td>
<td>Male</td>
<td>43</td>
<td>Not Applied</td>
</tr>
<tr>
<td></td>
<td>Xie Erping</td>
<td>Peasants</td>
<td>Male</td>
<td>26</td>
<td>Not Applied</td>
</tr>
</tbody>
</table>
5.5 Data Collection
5.5.1 Internal Validity

According to Merriam (1998), “internal validity deals with the question of how research findings match reality” (p. 201). To qualitative researchers, there is no one objective reality. The concept of objectivity is replaced by confirmability (Guba & Lincoln, 1989). Researchers construct the “reality” on the basis of the accurate interpretations of the data with the help of participants who are the providers of the data. Data, interpretations, and outcomes are all rooted in contexts and can be traced to its sources. Moreover, the logic used to assemble interpretations should be clear and explicit (Mertens, 1997; Merriam, 1998).

Researchers have suggested several strategies to improve the internal validity for case study. One of them is to use multiple sources of information – a process of triangulation (Stake, 1995; Merriam, 1998; Yin, 2002). Yin (2002) identifies six major sources of evidence for conducting a case study research, which are “documentation, archival records, interviews, direct observations, participant-observation, and physical artifacts” (p. 85). Each source of evidence has its strengths. Documentation and archival records usually provide the researcher with extensive information about the issue under the study. Interviews directly focus on the research question, while direct observations and participant-observation can provide additional information about the phenomenon in its naturalistic context. Both Merriam (1998) and Stake (1998) agree with Yin to a great extent in data collection and suggest that data gathering in case study research at least involves observations, interviews and documents analysis. It is suggested that the
systematic use of different sources of evidence can corroborate the fact or phenomenon being studied and thus make research findings more valid and compelling.

Understanding that an important strength of case study research is to make use of different sources of information, I relied on three different categories of data sources when conducting my research. First of all, I read through documentation and archived records released by the Department of Education in this middle-size city in order to provide a general description of the local educational system in which I could situate the selected high schools for my study. During my school visits, I reviewed local official documents in regard to school’s organizational and cultural contexts. As previously noted, I also collected descriptive data about the school’s student population. Second, I conducted both structured and informal face-to-face interviews with people working in the student affairs office, 25 students with different family background, and some parents and teachers. Students were interviewed individually. Parents were sometimes interviewed separately from the student and sometimes with the student. Each interview ranged from one to three hours. The initial interviews were followed up by phone conversations and emails to get to know the student’s final college choice after I had left the site. Third, besides documents and interviews, I also collected observational data from family visits, bulletin boards, meetings, and sometimes when walking around on the campus to obtain a better understanding of the family environment and the school culture.

Besides triangulation, member checks and peer review are the other two important criteria in establishing internal validity for qualitative research (Mertens, 1997; Merriam, 1998). “Member checks” is to take the data and tentative findings to the people
interviewed or studied and ask them if the results are plausible in order to rule out any inaccuracy or incompleteness of the data. In my study, I summarized what had been discussed in the interview and asked the participants if the notes had reflected their positions by the end of the interview. When analyzing the data, I tried not to impose my own framework on the perspectives of the participants, and tried to understand the meanings they attached to their words and actions. Moreover, I also asked colleagues to comment on the findings emerging from my data analysis in order to avoid being influenced by my personal biases concerning certain issues and thus to present a holistic interpretation of what is happening.

5.5.2 External Validity

According to Campbell and Stanley (cited in Schofield, 1990, p. 201), “External validity asks the question of generalizability: To what populations, settings, treatment variables, and measurement variables can the effect be generalized?” Campbell and Stanley’s definition of external validity represents the classical conception of external validity for quantitative research. It is impractical to make precise replication of such a criterion of generalizability for qualitative work. In his article about generalizability for qualitative research, Schofield discusses several ways to reconceptualize generalizability for qualitative work suggested by different researchers (1990, p. 206-209). For example, Goetz and LeCompte replace “generalizability” with the concepts of “comparability” and “translatability”. These two terms can be used to judge how well components of a qualitative study, such as concepts, sampling, and settings are defined and described, and to which degree the findings of the study can be used as a basis for comparison.
However, no matter how we call it, external validity concerns the issue that if one study in one situation can be used to speak to or to help form a judgment about other situations. Yin (2002) admits that the strength of case study sometimes is on its particularizing analysis. However, it doesn’t mean case study can provide little basis for scientific generalization. Because of the limited number of samples and the entangled situation between phenomenon and context, it might be difficult for case study to be generalizable to populations or universes, but it doesn’t reduce its ability to generalize theoretical propositions.

Given the number of the student samples, the findings of this research might not be applicable to different situations or generalizable to wider populations. However, the design of this study is easy to be replicated and applied to other populations. Similar studies can also be conducted in private schools, schools in rural area, or urban schools in other cities to test the validity of the findings that might be derived from this study. Furthermore, the constructs and the variables consisting of the constructs examined in this study can also be tested in other educational contexts.

Yin (2002) suggests that multiple-case studies sometimes are more compelling and robust compared to single-case studies. Because of the limited time and research funding, I was only able to discuss 11 cases in depth for my dissertation topic. However, I believe that the design of my case study can be easily translated into a multiple-case study on a big-scale, which will allow other researchers to track my reasoning from evidence to conclusions, and thus be able to test the reliability of my study. In this sense, the model constructed in my research has external validity.
5.6 Data Analysis

Merriam (1998) strongly recommends researchers to carry out data collection and data analysis simultaneously. In her view, without the ongoing analysis, it is easy for researchers to get confused by the overwhelming data. It is true that case study research usually relies on a high volume of materials and thick descriptions about phenomena. The fact that data analysis in case study research does not have any formulas to follow as in quantitative research makes it even more difficult to interpret the data. Yin (2002) thus provides us with three strategies in doing data analysis for case study (p. 111-114). The first and the most important one is to let the theoretical propositions guide the data analysis. Yin argues that the original research design should be based on theoretical propositions that also reflect the research question and guild the data gathering. Therefore, by following the theoretical propositions, researchers also will be able to pick out the useful information and define alternative explanations. The second strategy is to test the rival explanations in order to place more confidence in the original theoretical propositions you hold or the findings you conclude with. The third one is to provide a theoretical framework.

Although case study usually is not designed to test hypotheses or previous theories, it does not mean that qualitative research can be conducted without any theoretical framework. To build up a theoretical framework, I first attended to the literature on the topic of my interest. From a review of a body of theories and related empirical studies, I was able to identify important concepts, terms and theories. The findings of the prior research that differential resources (both economic and cultural)
contribute to the persistence and reproduction of a social-class-based stratified system of college education opportunity clearly guide my study. However, I did not select and analyze the data in the way that I could make my findings fit the existing theory or my preconceptions. I also paid attention to discrepant data, and considered alternative explanations or understandings of the phenomena whenever it was possible.

Like Merriam, Maxwell (1996) also points out that one of the commonest problems in qualitative studies is letting the unanalyzed fieldnotes and transcripts pile up, making the task of final analysis much more difficult and discouraging. Therefore, I began my data analysis immediately after finishing the first interview. I recorded and organized fieldnotes the same day as the interview took place. After I did the first round of interviews with my student subjects, I created a separate file for each of the students, and put each set of fieldnotes and transcriptions under their names, and thus built up a journal for every student I had interviewed. This strategy helped me keep the data physically well organized and made it easy for more thorough data analysis later on. Furthermore, from the first day when I entered into the field, I set up a field diary for myself in order to record important insights, comments, reflection, and hunches that came to me during the data collection. I read through all of the fieldnotes, transcriptions, and reflections every week, and wrote up a preliminary narrative for what I had learnt from all the interviews and observations. I did this practice by way of memo writing and summarization regularly, which helped me form initial codes when I had finished all of my fieldwork. In summary, my data analysis in the filed involved working with the data, organizing them, breaking them into manageable units and synthesizing them. The work
of developing categories, searching for patterns, discovering the preliminary findings were left until the data collection has been completed.

5.7 Conclusion

I have indicated the specific research methodology that my study will adopt, defined my research questions, and also discussed the way that I carried out my data collection and analysis. In this concluding part, I will give a brief discussion to the ethical considerations.

There are certain associated risks in any study that requires some form of interaction with live subjects (Merriam, 1998). My data collection inevitably involved asking sensitive questions. Students may be reluctant to share their experiences because of potential embarrassment emanating from reporting being struggling with financial issues or academic life in school. Parents may be hesitant to share their feelings about teachers and school administrators. Therefore, this study assured the participants of privacy and confidentiality by using pseudonyms. Personal information was secured and concealed. However, the use of fake names did not corrupt the data. Internal validity of the study ensures that the substantive information and its interpretation are reliable and trustworthy.
Chapter 6: Introduction of Wuhu and the Two High Schools

6.1 General Introduction of Wuhu

Wuhu is a middle-size city in Eastern China. It is the second largest city in Anhui province. Anhui’s economic development level remains low to medium compared to other provinces in China during 1990s. For example, the GNP per capital was 6,048 yuan nationally in 1997 and yet, it was only 4,378 yuan in Anhui. Compared to Beijing, the political capital, or Shanghai, the largest industrial center in China, both of which enjoy better opportunities than other urban areas in China, the political, economic, and educational situations and the social structure in Wuhu are more nationally representative.

Wuhu has a total area of 3,317 square kilometers. As of the 2005 census, its population totaled more than two million, 41 percent of which were urban residents, and 59 percent resided in the countryside (Wuhu Statistical Yearbook, 2005, p. 55).

Wuhu is a port and industrial center on the lower Yangtze River. Major manufactures only began to be developed in Wuhu after 1949, and they include the textile industry, paper mills, motor vehicles, and machinery. However, despite the large development of industries, Wuhu remains primarily a commercial and collecting center for trade in rice, silk, cotton, tea, and wheat, which decides that the majority of its population are agricultural workers (See, Figure 6.1).
As Lee and Selden (2007) indicated in their article, “Measured by income distribution, China has evolved from being one of the world’s most egalitarian societies on the eve of reform to becoming, by 1995, one of the most unequal in Asian, and then, by the early 2000s, in the world” (p.10). Research on China’s class structure pointed out that the relatively homogeneous urbanite in Mao’s era has spited into different classes in the reform era (So, 2003; Bian, Breiger, Davis, & Galaskiewicz, 2005; Lin, 2006). The rich class, newly formed middle-class, urban workers in the private and collective enterprises, and workers in the state sector have differentiated income. The inequalities of income distribution can also be observed in Wuhu. Figure 6.2 presents the annual

disposable income per person for different income families in the urban area of Wuhu for the year 2002, 2003, and 2004.

**Figure 6.2: Disposable Income Per Urban Resident in Wuhu from 2002 to 2004**

(in Chinese Dollars)

![Bar chart showing disposable income per urban resident in Wuhu from 2002 to 2004 by income family.](chart)


Not surprisingly, families with various income levels have different consumption patterns. As pointed out by Bourdieu (1977a), certain cultural consumption and activities concentrate in the upper- and middle-classes families, which represents distinctive cultural traits and life styles. The following figure shows the amount of money spent on cultural goods and educational objects by urban residents from different income families in Wuhu. Figure 6.3 illustrates that high-income families tend to spend more on cultural consumption. For example, in 2004, the lowest income family spent about seven percent
of their annual income on education and cultural goods, which was about 294 yuan for the year. In contrast, the highest income family spent about 2704 yuan, or 13 percent of their annual income, on education and cultural items.

**Figure 6.3: Annual Expenditure on Education and Cultural Goods by Family**

*Income in Wuhu from 2002 to 2004*  
*(in Chinese Dollars)*

![Bar chart showing annual expenditure on education and cultural goods by family income group in Wuhu from 2002 to 2004.](chart)


Nevertheless, the main locus of income inequality is between urban and rural areas. Analysis of Chinese income surveys in 1988, 1995, and 1998 by Riskin and his colleagues (2001) shows that in terms of income, the gap between urban and rural areas is the major source of overall income inequality in China. This urban-rural cleavage is also manifested in Wuhu. As Figure 6.4 shows us, the average income of urban residents has been more than twice as high as that of rural residents from 2000 to 2004 in Wuhu.
Research has revealed that the gap between rural and urban residents in China—not only in terms of income, but also in consumption patterns, access to public goods and opportunities, and life styles has remained significantly large in the last century. In terms of cultural consumption, rural residents in Wuhu spent five to eight percent of their annual income on education and cultural goods from 2000 to 2004, which was about same as the lowest and low income urban families in Wuhu (Wuhu Statistical Yearbook, 2001~2005).

More crucially, children from the rural area do not enjoy equal opportunities to obtain education as their urban counterparts. Scholars have long been aware of the
uneven distribution of educational resources between rural and urban areas in China (Hunnum, 1999; Wu, 2002; Lin, 2006). Generally speaking, rural schools are less widely available and are generally of inferior quality. Government policies and educational appropriation are in favor of urban schools. The following table presents the total educational expenditure on junior and senior high schools across the country in 2001 (China Education Finance Statistical Yearbook, 2002). Table 6.1 shows that in 2001, the educational appropriation from central government for rural middle and high schools were about the half of that for urban middle and high schools. The appropriation for rural schools from local government is also about the half of that for urban schools. Moreover, because rural schools were less likely to obtain institutional income and receive donations, the total educational expenditure for rural junior and senior high schools only comprises 30 percent of the grand total educational expenditure. Although there is no statistics available for the average educational expenditure on urban and rural schools in Wuhu, we do not expect the situation radically different from the average in the nation.

6.2 Educational System in Wuhu

The Chinese educational system is highly differentiated, with schools being classified into national key schools, provincial key schools, municipal key schools and ordinary schools. The elaborated examination system helps differentiate students into schools with different rankings as early as from middle school.

The “key school” system was first established in the 1950s when the Chinese educational system was charged with providing professional talents required for the
revival and development of the national economy (China Daily, 2006). Given the very limited educational resources at that time, some schools were designated by the government to be “key schools”. The philosophy was that allocating limited financial and human resources to those selected schools could make the training of the needed manpower for China’s reconstruction more efficient. Key schools were shut down during the Cultural Revolution because it was against the idea of equalism, which was an essential value held by the Communist Party (Worden, Savada and Dolan, 1987).

However, in the late 1970s and the early 1980s when the Chinese government needed to revive the lapsed education system and to boost the poor national economy, the key school system was reinstalled by the government. In cities and county seats, educational authorities designated those schools with records of past educational accomplishment to be key schools, and gave them priority in the assignment of teachers, equipment, and funds. They were also allowed to recruit the best students for special training to compete for admission to top schools at the next level. Naturally, key schools with better financial conditions, teaching staff and students become better and better compared to those ordinary schools. Key schools constitute only a small percentage of all regular junior and senior high schools, and disproportionately concentrate in cities, which favor urban areas and children from better-off families.

Wuhu has 288 public elementary schools, 85 middle schools, and 20 high schools (Wuhu Bureau of Education, 2006). Primary education in China follows a six-year cycle. There is no diversification of curriculum or differentiation of schools at this level. Junior secondary education is a uniform 3-year cycle. Since it is part of compulsory education,
there is usually no diversification of curriculum at this level, either. However, middle schools in Wuhu are classified into three categories according to their educational accomplishments – provincial key middle school, local key middle school, and ordinary middle school. Fuzhong, one of the two high schools studied in this research, is a provincial key high school and has its own middle school section that funnels most of its graduates to Fuzhong high school section. Nancheng high school, the other high school chosen for the study, is an ordinary high school and does not have a middle school section.

Compulsory education in China includes only elementary schools and middle schools. Senior secondary education is not a part of the compulsory education. Like middle school, senior secondary education is also a 3-year cycle. There are four types of senior secondary schools: general senior secondary, technical or specialized secondary, vocational secondary, and craftsmen schools. The general senior secondary school is also commonly known as the ordinary high school. It has an academic curriculum, with university entrance as its sole aim. Technical or specialized secondary schools are designed for the training of technicians. Vocational high schools mostly offer courses that prepare students for employment in the service sector. Craftsmen schools are mostly attached to factories or enterprises and they train craftsmen.

Due to the recent large expansion of higher education enrollment, more and more graduates from middle schools are opting to continue their education at general senior secondary school and hoping to eventually enroll in college, rather than going to secondary specialized, vocational high school, or craftsman schools. For example, in
2006, 61 percent of senior secondary students were enrolled in the general education track in Wuhu, while the other 39 percent were enrolled in specialized, vocational, or craftsmen schools (Wuhu Bureau of Education, 2006). The general senior secondary school is the most popular among students and parents as it is the only channel which may lead students to institutions of higher education. The general senior secondary school is highly differentiated, with the provincial key high school on the top, the local key high school following, and then the ordinary high school. Wuhu has two provincial key high schools, one local key high school, nine ordinary high schools in the city, and eight high schools in its four suburban districts. Different from the situation in America, the city high schools in China generally provide a better schooling environment than those in the suburbs and countryside. Especially the key high school, which are most likely located in the inner city, usually have better school facilities, better qualified teachers, and higher annual revenue and spending per student. This study includes two high schools, both of which are city high schools. One is Fuzhong, a provincial key high school. The other is Nancheng, an ordinary high school.

Because of the hierarchy of the Chinese educational system, admissions to the key middle and high school are inevitably competitive. Before 1998, all the elementary school graduates had to take the middle school entrance examinations to compete for the very limited seats in three key middle schools in Wuhu. Because the admission was completely based on the achievement scores in the entrance examinations, graduates from the elementary school experienced tremendous pressure when preparing for the entrance examinations and many scholars as well as parents were concerned about their physical
and psychological conditions. Therefore, in the name of relieving elementary school graduates from serious pressure for academic achievement, the policy makers in Wuhu introduced a voucher system into the middle school enrollment process in 1998 (Tang, 2006). Every elementary graduate was assigned a series of numbers. Lottery was used to determine which students got the vouchers. Students with vouchers could go to the key middle school in their districts. However, each key middle school only enrolled one third of their freshmen through the voucher system. The other two thirds of freshmen had to pay additional tuition and fees to get into any of the key middle schools, although the public middle school education is supposed to be free. Policy makers in Wuhu did not introduce this reform into the high school enrollment process. That is to say, the admission to high schools was still determined by the achievement scores in the entrance examinations administered by the city’s bureau of education. The key high schools apparently had higher admission scores than the ordinary ones. However, each school had some quotes assigned by the bureau of education to recruit a few students who did not achieve their admission scores but was willing to pay extra tuition and fees.

6.3 Fuzhong High School

Fuzhong is a key high school at provincial level, and also one of the model high schools in Anhui province. It was founded in 1903, and over the past hundred years it has educated a stunning number of students who have succeeded in a variety of fields. Fuzhong is located at foot of the phoenix hill, one of the most scenic areas in the city, covering a total area of 6.34 hectares, with 30,000 square meters used for teaching
buildings. The campus also includes a fine arts center, a learning center, a student union, laboratories for biology, physics and chemistry, and an impressive library. The athletic facilities include a soccer playfield, a ping-pang room, indoor basketball and volleyball courts, and a grassy playground.

Fuzhong has a total of 189 employees and 164 of them are faculty members. All the faculty members hold Baccalaureate degrees from an impressive array of national universities, and 37 percent of them have graduate degrees. Moreover, 7 faculty members hold national special-class teacher licenses, and another 64 have national first-class teacher licenses.

There are 405 members of the senior classes in Fuzhong and 2,100 students in grades ten through twelve. The students are predominantly from Wuhu, however, since Fuzhong is one of the outstanding high schools in Anhui province, it also has the permission to admit students from other cities in Anhui who have outstanding overall academic performance and are especially gifted in science. Fuzhong has a nice two-stories dormitory building for its current fifty resident students who are admitted from other cities.

Fuzhong students from the senior class preceding the students of this study collected a stunning number of college acceptances and modeled attendance at some of the finest public postsecondary institutions. In the past five years, more than half of the senior students went to key universities across the country, and the enrollment rate to 4-year universities has been staying around 80 percent. The remaining 20 percent of the students have gone to 2-year or 3-year colleges.
The admission to Fuzhong is largely based on the unified high school entrance examinations administrated by the city’s bureau of education. Those students who have achieved certain level of scores in the examinations are admitted to Fuzhong. Their average tuition for one semester is 850 yuan. The school is also allowed to admit a number of students whose scores are no more than 30 points below the cutting point. The number of this group of students cannot exceed 20 percent of the total student population. Their average tuition is 7,000 yuan per semester. In addition, the school recruits around 10 to 20 outstanding students across the whole province every year. Those students do not have to take the local entrance examinations. Generally, they are champions of provincial or national level competitions in science and admitted as gifted students. In my conversation with principal Ma, he shared that the school sent out a special recruiting group of teachers every year to track down those champion students in a variety of competitions in math, physics, and chemistry, and persuaded them to come to Fuzhong, sometimes attracting them with scholarships. There is no need-based aid offered at this school.

The annual revenue from the city’s bureau of education is four million Chinese dollars, which is only about 22 percent of the school’s total funding. According to principal Ma, the tuition from students are more than seven million Chinese dollars, and the school’s own investment brings in around another five million every year. Moreover, if the school has additional campus construction plans, it usually can get donations from individuals or companies.
6.4 Nancheng High School

Although administratively, Nancheng is one of the nine city high schools, it is actually located in the suburbs of Wuhu city. There is a big farmers’ market right next to the school, which is a nearly burned-out neighborhood. Of the rows of shacks in the community, most were roughly built and need major repair. The school buildings actually stand out among other buildings in this neighborhood. Nancheng high school was founded in 1958 as an ordinary high school. In 1980s, it was once converted into a vocational high school, but then was changed back to an ordinary high school in early 1990s. The campus covers a total area of 2.4 hectares, with 16,000 square meters devoted to teaching purpose.

Nancheng high school has 95 faculty members and 13 administrative employees. Two thirds of faculty members hold baccalaureate degrees, and three of them have Master’s degrees. When this study conducted, there were 1,300 students, spread across grades ten to twelve, of which 230 students in the graduating classes. Annually, 70 percent of graduates go directly to college. However, most of them attend 2-year community colleges. In the past five years, the average rate of students who are admitted to 4-year institutions is eight percent (See, Figure 6.5).

Students’ average score in the city’s unified high school entrance examinations is 480 out of 700. Those students who passed the cutting point of 465 get admitted to Nancheng high school, and need to pay 350 yuan for tuition per semester. The school is allowed to admit a certain number of students whose achievement scores in the examinations are slightly below the cutting point, which cannot exceed 20 percent of the
total freshman population. These students have to pay 2,000 yuan per semester for their tuition and additional fees.

The annual revenue from the city’s bureau of education for Nancheng high school is also four million Chinese dollars. According to the principal Cao, the government appropriation is their major avenue. The tuition from students is a little more than one million. The school also has its own investment, but the returns are very limited. The school receives no donation. Generally, it is the city’s bureau of education supports its campus construction plans.

**Figure 6.5: Enrollment Rates to 2-Year Colleges and 4-Year Universities for Fuzhong and Nancheng High Schools from 2001 to 2005**


**6.5 College Admission Criteria and College Application Process**

As indicated previously, college admission policy in China has undergone many changes responding to political campaigns and economic reforms since the foundation of
P.R. China in 1949. However, after the Cultural Revolution, the college admission policy has placed an emphasis on academic qualification. The National College Entrance Examination (NCEE) is an academic examination held annually to determine who is qualified for the admission to colleges. Applicants have to hold high school diploma or the equivalent to be eligible to participate. The NCEE is usually taken by students in their last year of high school, even though there has been no age restriction since 2001. It is arranged at the end of the spring semester and high-school graduates across the country take the examination simultaneously. Three subjects are mandatory: Chinese, math, and a foreign language. In addition, science students need to take physics, chemistry, and biology, while students in arts and humanities need to take politics, history, and geography.

In most places, students have to complete their college application prior to the exam. That is to say, applicants do not know their achievement score in the examination when filling out their college application, although their achievement score is the single decisive factor in college admission. In China, the recruitment of college students is administered uniformly within each province or special municipality. In most places, the whole recruitment process is carried out in four stages. First, it is the so-called “advanced stage”. During this stage, military schools and a few schools with specialties recruit their students. It is a relatively small-scale recruitment, and does not impact most of the college applicants. The following stage is when national key universities carry out their recruitment, which is actually called the first stage of the college recruitment in China. Regular universities recruit their students in the second stage. And the last is training-type
colleges and community colleges. Accordingly, the college application form comprises four sections – military schools, national key universities, regular universities, and community colleges and others. Because these four types of universities carry out their recruitment in different time, they do not interfere with each other. However, within each category only the first-choice school has the high chance for the applicant to enroll in, although theoretically the applicant can put in four to six schools and programs in order of preference. For example, most key universities claim that they would be willing to take those applicants who do not list the university as their first choice. However, key universities only do that under two conditions. First, it is when they cannot fill their quota by recruiting those students who regard the university as their most preferred one. However, it rarely happens to those prestigious universities. Second, some universities do take students who have the university as their second choice but require a much higher achievement score in the entrance examinations, ranging from 30 points to 90 points \(^\text{10}\), making it practically impossible (Shi, 2007). Therefore, for each category, only the first-choice college or university really matters. In the following case description chapter, we can see that most students only took their first-choice university seriously although they still put in four to six schools in their application in order of preference.

\(^{10}\) The total achievement score is 750.
Chapter 7: Fuzhong High School Students

7.1 Introduction

There were seven classes in the twelfth grade in Fuzhong high school. Class size averaged 45 students. The class chosen for this study had 30 students from middle-class families, 11 from working class families, and four students from peasants’ families. In this graduating class, 100 percent of the students went on to college, 78 percent specifically to national key 4-year institutions, and 22 percent to ordinary 4-year universities. The ten students interviewed for the study were A/B students in this class and attended Beijing University, University of Science and Technology in China, Fudan University, Shanghai Transportation University, Zhejiang University, Anhui University (2), and Anhui Normal University (3) in fall 2006.

Cai Shuang

7.2.1 Family Background

Cai Shuang is from a small city in Anhui province. Her father holds a baccalaureate degree in economics and a Master’s degree in business management, and is the president of Ningsuo Transportation Company. Her parents were college classmates. Her mother also has a B.A. in economics, but specializes in taxation for her Master’s degree. She now works as a senior accountant for a private accounting firm. Their family income is about 250,000 yuan a year.

7.2.2 Early Influence Stage
Cai Shuang is the only child, so her parents have given her their undivided attention since the day they had her. Her parents admitted that they had always had high expectations for Cai Shuang’s education even when she was still in her mother’s uterus. Shuang’s mother said,

When we had her, we both just got out of graduate school and started working. We talked about her education plan when we just learnt that I was pregnant. We worked out this specific schedule for me to listen to classical music and for him (Shuang’s father) to read poems to my belly.

Shuang’s father added that they studied a book about fetus education in the early stage of pregnancy, and decided to follow its guidance to promote the development of infantile intelligence and behavior by exposing the mother to sweet music and rhythmic poems.

Shuang learnt to speak at age one. Her parents began to teach her poems when she turned three. Her mother shared the experience:

We picked those very simple poems from Tang Dynasty to begin with. You know, those poems with five words per sentence and four sentences per poem. They are very rhythmic and the musical sound attracted her. So, we didn’t have to force her to learn. We taught her a sentence here and a sentence there, and assembled them together once she learnt all of them separately…We sometimes made her recite poems in front of other people, such as her grandparents and our friends.

Everyone was impressed with her performance. And, she liked the attention and the admiration and become more motivated to learn. We then moved to more complicated ones, like those with seven words per sentence and eight sentences per poem…She did really well. By the time she went to elementary school, she could recite at least 50 poems.

Shuang’s parents began to teach her Chinese characters when she was five. Every night they sat her down and taught her a few Chinese characters. They taught her how to remember the different parts of one character by linking them to plants, animals, and
other little things in the real life which she was already familiar with. “We’d say something like, ‘see, this is like a hat’ or ‘here is a little dot, just like your doll’s eye’,” her mother said with pride, “Shuang was a very good child and always cooperated with us, even when she was that little…She learned quickly, and could recognize around 100 [Chinese] characters before she went to elementary school and could write at least half of them.” Around the time when they began to teach Shuang Chinese characters, Shuang’s parents also made her start to practice Chinese calligraphy. Shuang’s mother has a cousin who is a member of Anhui Association of Calligraphy. Therefore, her parents took advantage of this and sent her to their relative’s home to learn calligraphy once per week. Shuang has been practicing calligraphy for ten years since then. She stopped taking the private lesson with her relative in the last year of senior high school, because her teacher thought she was good enough as an amateur while she had no intention to develop it as her career. According to Shuang’s father, sending her to learn calligraphy is to cultivate her serious attitude to do things. Calligraphy practice is very detail-oriented and requires patience and hard work. Therefore, they sent her to practice calligraphy before she went to elementary school, which they believed helped her form a good attitude toward study.

Not surprisingly, Shuang performed very well in elementary school. She was not only a straight A student, but also very active in extracurricular activities, such as participating in the school play and the literature club. “School work was very easy in elementary school.” Shuang said, “I only needed to spend a little bit time on homework after school, and my parents would check for mistakes. For the rest of night, I’d practice calligraphy or read all kinds of books they bought for me.” Shuang’s parents also
confirmed that Shuang absolutely loved school and did not have any problem with schoolwork. Their job was just to double-check her homework and made sure that she understood everything taught in class. They often brought her to visit bookstores during the weekend, and encouraged her to read. At the beginning, Shuang’s mother read to her a lot. Since her third grade, Shuang has learnt enough Chinese characters to be able to read herself. Her mother recalled Shuang cuddling up often with books and enjoying reading a book for a whole afternoon. “We had to drag her to the dinner table”, her mother added.

After elementary school, Shuang passed the middle school entrance examinations with flying colors, and got admitted to Ninguo No. 1 middle school, which was the best school in the city.

7.2.3 Predisposition Stage

Shuang continued to perform well in middle school. During the three years in middle school, Shuang developed special interest in history and biology. Because of her strong interest in these areas of knowledge, her family subscribed to a few magazines that were relevant, such as Journal of Biology for Middle School Students, Exploration of History, and Youth in Science. Both of her parents liked to read for fun. And, very often all of them liked to crowd in her father’s study room to read together and sometimes share what they had been reading.

Shuang’s parents indicated that through these kind of reading activities, they not only wanted to help Shuang develop good reading habits, but also intended to cultivate her ability to express her opinions and ideas. Shuang’s father recalled that at the beginning Shuang used to read out her favorite paragraphs and gave them a short
comment, such as “this is interesting”. Gradually, with the encouragement from her parents, Shuang started to articulate why she thought certain propositions were interesting. “Sometimes we’d provide her with alternative perspectives on a certain historical event. She often appreciated that. Sometimes she’d argue with us, and I think that was beneficial to her, too.” Shuang’s father said, “Or, if she was reading an interesting biological article, we’d ask some questions and she’d be happy to explain them to us”.

Because of her outstanding performance in chemistry and biology, Shuang was often taken out of her class and given special training for competitions. She has participated in many chemistry and biology competitions within the school district, in the city, and on the provincial level. She has won quite a few rewards from all the competitions, which included two championships in provincial biology competitions. Therefore, when graduating from middle school, she was recruited as a gifted student in science by Fuzhong high school, one of the best high schools in Anhui province.

In addition to excellent academic performance in school, Shuang continued to be active in extracurricular activities. As previously noted, Shuang stopped taking private lessons for calligraphy in the last year of middle school. Instead, she began to take piano class during the weekend. Although she started rather late, she made significant progress within one year, and thus she was able to give a performance at the graduation party in school, which according to her parents was well received. Shuang said that all the extracurricular activities she has been involved were all very important to her:

Practicing calligraphy cultivated my patience. You have to practice a hundred times just to make one character look perfect…I learned to be patient…I’ve also become more confident in myself, because I know that it just takes time and practice to make one character look perfect, and I can do it if I wish to.
Everything is like practicing calligraphy. If I really want to and invest enough time and effort, I can make it happen.

Shuang’s parents indicated that their initial intention to send Shuang to dance class and piano class is to prevent her from becoming a “bookworm”. As her mother pointed out, Shuang spent so much time on reading in elementary school that sometimes it was hard to pull her out of her books. So, Shuang’s parents signed her into a dance class from the first year of middle school. Shuang immediately fell in love with dancing, and told her parents she would like to learn to play piano when she stopped taking calligraphy class. Her parents were very supportive of all the extracurricular activities Shuang has been participating, and also believed that it cultivated her self-confidence.

While she continued to excel in academic performance and to shine in a variety of extracurricular activities, Shuang also developed her aspiration to attend a college in middle school. Shuang always knew she would go to college even before she understood what a college really was. “When I was very little…before I went to elementary school, my parents began to talk to me about college.” Shuang recalled, “They asked me, ‘Where does Shuangshuang (Cai Shuang’s nickname) want to go to college?’ and then they’d answer for me, ‘Our Shuangshuang wants to go to Beijing University!’” However, not until late in middle school did Shuang start to seriously consider going to College. Once she developed her preference for a college education, Beijing University, the No. 1 university in the country, became the top option on her choice list.

**7.2.4 Search Stage**
Beijing University is the first western-style university founded in China. No other institution in the country is as synonymous with quality as Beijing University. The very name conjures up images of smartly dressed students, fearsome professors, and glamorous campus buildings with traditional Chinese architectural and artistic style. Its campus, known as Yan Garden, is located close to the Royal Garden of Qing Dynasty and the Summer Palace.

Shuang has set her college goal on Beijing University as far back as in elementary school. As noted earlier, Shuang’s father is the president of Ninguo Transportation Company. Taking advantage of his job, Shuang’s father scheduled at least one family trip every summer. When Shuang was in fifth grade, she and her parents went to visit Beijing. Among all of the temples, palaces, monuments, and parks and gardens, Shuang’s father made sure that they spent one day in the college district in the western suburbs of Beijing, where ten national key universities were located. Beijing University was surely the most attractive one. Shuang fell in love with the lake, the tower, and the arch bridge immediately:

It was like a beautiful picture… I was intimidated by those students who were walking passed us and holding heavy-looking books and folders in their arms. They looked smart and awesome, and I wanted to be one of them. From then on, going to Beijing University has become one of my dreams, a dream that I can make it come true by working hard.

During her middle school years, Shuang continued to be exposed to many different colleges and discussions about them. She learned about quite a few national key universities and their programs in chemistry and biology. However, none of them impressed her like Beijing University. As noted previously, Shuang was recruited as a gifted student to the
science class at Fuzhong high school because she had won two championships in the biology competitions on the provincial level. She decided to accept the admission and come to Wuhu, a city that was two-hour drive from home, because she believed that a better high school would give her a better chance to get into Beijing University. Her mother was hesitant about the idea of sending her to Fuzhong as a boarding student, while her father was very supportive of her decision. “So, we voted.” Shuang said, “Two versus one, so I came here.”

7.2.5 Choice Stage

Although the science class at Fuzhong high school was full of gifted students in science, Shuang still managed to stay among the top ten in her class. She also continued to participate in all kinds of chemistry and biology competitions in high school, and won one championship in a provincial chemistry contest and a fourth in a national biology competition.

Because of her outstanding academic performance in chemistry and biology, University of Science and Technology in China offered her the admission to its biological chemistry department at the end of the fall semester in her senior year. She had one month to decide if she would accept the offer or not. There were a lot of struggles, and discussions and arguments with parents. For the first few moments, Shuang got all excited about the offer and decided to take it. University of Science and Technology in China is among the top three science universities in China, so the offer was very tempting. Moreover, if she accepted the offer, she would not have to go through the last semester of high school, which is always full of stresses and pressure. Also, she would not have to
take the national unified college entrance examinations, which single-handedly decide
millions of students’ destiny within two days. She was worried that she would fail in the
examinations because of the overwhelming anxieties. Her mother was very supportive of
her decision to go to University of Science and Technology in China:

Undoubtedly, it is a very good university. One of my friends’ son went to that
university four years ago, and now he is going to the United Stated to pursue his
graduate education. I learned from my friend that two thirds of her son’s
classmates were going abroad for advanced study. I thought it was good enough
for my daughter, and I couldn’t see why we should risk it for Beijing University.

Unlike her mother, Shuang’s father did not express any opinions about this offer.
He simply asked Shuang to think more about the offer and not to accept it immediately.

In the following week after she received the offer from University of Science and
Technology in China, her father and she talked about this issue over the phone every
night. Her father constantly made comparisons between these two universities in terms of
their environment, reputations, ranks of chemistry or biology related disciplines, and
chances to go to study abroad after the undergraduate program. Shuang was still very
hesitant about her choice. Her father came to visit her in Wuhu that weekend and took her
to Hefei, where University of Science and Technology in China is located, to visit its
campus. It has a large and beautiful campus, too, but not as impressive as Beijing
University. As Shuang said,

It is a nice university. It is just that I have emotionally committed myself to
Beijing University since I was a little girl. And, it would be foolish for me to just
give up my dream like that. My father was right that we do not have many
precious dreams during our lifetime and I should fight for and even take some
risks for my dream college.
After her visit to University of Science and Technology in China, Shuang gave herself a couple of more days to think about her decision. And, one night she called her parents and told them that she decided to deny the offer. Her parents drove to Wuhu overnight in order to accompany her the next day to sign certain files to make her decision official. They went to see her homeroom teacher right after that in order to request a special permission for Shuang to participate in the early admission examinations for Beijing University. The permissions to early admission examinations are only given to provincial level champions in math, physics, chemistry, and biology. Technically, Shuang was qualified for the early admission examinations. However, if she has accepted the offer from University of Science and Technology in China, she would be automatically denied the permission to early admission examinations to any other school. Therefore, the first thing Shuang’s family did after they turned down the offer was to request a permission to participate in the early admission examinations for Beijing University. A couple of months later, her father accompanied Shuang to Beijing University to take the early admission examinations. Unfortunately, she did not do well in the exams and therefore did not get the early admission. However, Shang’s father has a lot of confidence in her, and encouraged her to go ahead and apply to Beijing University through the normal admission program:

It was a disappointment, of course. However, I believe that failure can also be a good education. She failed, she learned, and she would do better in the future…I do not think that she should have settled for University of Science and Technology in China. She has been dreaming about going to Beijing University ever since her first visit when she was only 11 years old. I believe that she deserves the best education, and as her father, I will do my best to support her dream.
Shuang took the national unified college entrance examinations in June, 2006, and scored 625 out of 750 in the exams. In July when the word came that she was offered a place in the biology department at Beijing University, she jumped at the chance to attend her dream school.

Money was not an issue in Shuang’s college decision making. She and her parents never talked about tuition and fees or anything related to finance. Her understanding was that her choices were only limited by her academic ability. Her parents confirmed that finance was never a concern. As her father commented,

She tried her best to shine academically and got into the best university in China. We are so proud of her, and paying for her college education is the happiest thing we’ve ever experienced.

**Wang Yicheng**

### 7.3.1 Family Background

Wang Yicheng’s parents are both college-educated. Her mother holds a baccalaureate degree in physics, and is currently teaching physics in high school. Her father has a Master’s degree in computer science, and used to teach in a community college as an associate professor. When Yicheng was in her high school, her father quit his faculty job and went back to school to work on his Ph.D. degree full-time. He studied in Shanghai, where is about 400 kilometers southeast of Wuhu, and came back home every other weekend. The year Yicheng graduated from high school, her father also obtained his doctoral degree and got an offer from an international computer company in Shanghai.

### 7.3.2 Early Influence Stage
Yicheng’s parents began to teach her to recite poems from Tang Dynasty when she was four year old. Tang Dynasty poetry is the most popular volume of Chinese classics. Yicheng’s parents thought that reciting poems from Tang Dynasty would cultivate Yicheng’s interest in learning the Chinese language. Yicheng’s mother recalled,

We began to ask her to recite certain pieces of poems when she was four. Every time she learned a new sentence, we’d give her a little something as a reward, such as a piece of candy or chocolate. Although she didn’t really enjoy the work, she still made a lot of efforts to learn and could recite about ten poems when she was in kindergarten. I still remember how impressed her kindergarten teacher was by that… Later on, when she was in elementary school, we explained to her the meaning of those poems. Some are about the beauty of nature, some are about the fun of a leisurely life, and some are about the pleasure of learning…She started to appreciate these poems and to like to read poems and literature in general.

Yicheng’s parents began to teach her Chinese characters when she was in kindergarten. Her mother pointed out that a little child would never feel interested in learning characters if he/she found it useless. So, her strategy was that after she taught Yicheng a new character, she would look for it in a newspaper and then show it to her daughter. It always made little Yicheng feel excited because she could read a word from a newspaper or a magazine. This strategy really encouraged Yicheng to learn. By the time she went to elementary school she has learned a lot of Chinese characters. The first day in elementary school, she got her textbooks for her Chinese class and started to read it immediately. “Within two days,” her mother recalled, “she read the whole textbook from page to page and didn’t encounter any new word.” The ability to read and comprehend the text helped Yicheng learn not only Chinese but also other subjects in elementary school. Because Yicheng’s early education experience put her well ahead of many other
students when she started elementary school, her teacher paid a lot of attention to her, frequently called on her in class, and praised her for her homework and her performance in class. Yicheng said,

I remembered being called to the platform and to read for the whole class. I wasn’t like a lot of kids who could only murmur or stutter in front of the class. So, teachers liked me a lot and very often asked me to go to the platform to read.

Teachers’ attention and praise gave Yicheng a motivation to learn more and try to be better. Her father added that it was the same strategy he used to teach Yicheng English. Because she started learning English ahead of time of her peers, Yicheng knew much better than other students in the English class and immediately won the teacher’s attention and admiration.

7.3.3 Predisposition Stage

When Yicheng graduated from elementary school, her family was faced two choices for where to send her for middle school. For one, she could go to the school where her mother was teaching senior classes. The school was very close to where they were living, and Yicheng knew a lot of teachers there personally through her parents’ social network. However, her mother did not want Yicheng to attend her own school. As a teacher, she is quite aware of the differences between an ordinary middle school and a key middle school in terms of the quality of teachers and students. Although they would not have to pay anything for tuition and fees if Yicheng went to her mother’s school, Yicheng’s parents did not think that they should fail to provide Yicheng with the best education because of financial reasons. As a provincial key high school, Fuzhong was permitted to have a special admission policy. In the year when Yicheng was going to
middle school, Fuzhong admitted one third of its freshmen by lottery and the other two thirds by charging extra tuition and fees. Yicheng’s mother contacted some of her friends who were either teaching in Fuzhong or working in the local Bureau of Education a few months ahead to make sure that if they did not win the lottery, she could get her daughter on the list to pay her way in. Not surprisingly, Yicheng was not lucky enough to win the lottery. However, Yicheng’s parents got her on the list early enough that they did not have any trouble to gain the seat in Fuzhong. All they needed to do was to pay an extra 5,000 yuan each semester for the opportunity for Yicheng to study in Fuzhong. When recalling the event, her father said,

We were lucky that we started talking to people early enough and acted quickly after the results of lottery came out. We learnt later on that the waiting list was incredibly long and a lot of kids didn’t get into Fuzhong although their parents were more than happy to pay the additional tuition and fees…She (Yicheng’s mother) knows a few people who were key in the admission process, so we made sure that Yicheng wouldn’t get kicked off the list…The list was not open to the public, so if you didn’t have any network, your kid might be replaced by someone else and you wouldn’t know it until the last minute when nothing could be changed.

Of course, sending Yicheng to Fuzhong middle school was not the ultimate goal. The reason why Yicheng’s parents thought it was important to pay the extra money to get her the chance to go to Fuzhong middle school was that Yicheng could be well prepared academically and thus could go on to Fuzhong high school and then a good college. Undoubtedly, her parents’ decision influenced Yicheng’s self-expectation and her attitude towards a college education. As Yicheng pointed out, since the day she went to Fuzhong middle school, she knew for sure that she would continue her education beyond high school.
As noted previously, Yicheng was an early reader. She continued to like reading in middle school, and developed a special interest in world classics. Yicheng recalled,

It all began in the summer before I was going to middle school. My parents bought me a pack of books as a gift for the long summer. They were very easy to read, with short texts and many pictures. They sort of looked like comic books, but they were actually adapted from world classical novels. I was crazy about them. I could sit there for hours just to finish reading one story…and then I would chase my parents around the house to tell them the story.

Yicheng’s parents also recalled that Yicheng became very interested in reading novels from that summer, and spent most of her pocket money on collecting classical works from British and Russian writers since then. Those masterpieces in literature helped Yicheng with her Chinese composition class. She stood out among all the students in that class because her excellent written composition ability. “I don’t really know how I did it.” Yicheng said, “But I never had any problem with writing an essay. Beautiful and powerful words just flew into my mind. And, because I’m familiar with many poems, sometimes I cited quotes from poems in my essay. Teachers are always impressed with that.” Besides reading, Yicheng also practiced calligraphy in her leisure time. She started to learn calligraphy from third grade. At the beginning, she found it tedious and preferred reading much more. However, her parents insisted that she should study it because it is a precious traditional art. Yicheng has practiced calligraphy for six years and stopped taking calligraphy classes since high school, because coursework was getting really intense and she needed more time to study for school. But, in her leisure time, she still sometimes practiced calligraphy. Interestingly, she began to like the practice and found it very beneficial in the way that it could set her mind in peace. Yicheng also plays Erhu, a traditional Chinese instrument. Yicheng said, most of her friends play piano or violin, but
her parents always emphasized the preciousness of traditional Chinese arts, so they sent her to learn Erhu. Yicheng had her heart in it because she found the music incredibly beautiful and touching. “My parents were right.” Yicheng commented, “Nowadays, not many people can play Erhu. But, it would be such a loss if the traditional music got lost in the young generation.”

Yicheng’s parents also provided her a very stimulating environment for learning at home. They talked about what happened in school over dinner, and then watched the national news on TV for half an hour. After that, they would all sit around a big table, with Yicheng doing her homework and going over what she has learnt in school and her parents reviewing their students’ homework or reading papers. Her parents both subscribed to journals in their fields. They sometimes showed her some interesting articles, which they thought were simple enough for her to understand. If Yicheng encountered any difficulty with her homework, she could simply ask help from her parents. Both of her parents would stop their work and discuss with her about different approaches to solve the problem. “Maybe because they are both teachers,” Yicheng speculated, “They know how to lead you to think.” Overall, Yicheng did not have any difficulty with school, and has been on top in class until senior high.

7.3.4 Search Stage

Because of her outstanding performance in the high school entrance examinations, Yicheng was not only admitted to Fuzhong but also assigned to the advanced science class. In that class, teachers finished teaching the whole high school curriculum in three semesters, and then focused the last one and a half years on training students for
competitions and preparing them for college entrance examinations. Yicheng’s parents noticed that because of the intense curriculum and the severe competition, Yicheng got discouraged from studying. She has been the top straight A student since elementary school. However, since she came into this advanced science class, she was not No. 1 anymore. Her ranking was in the middle of the class, which terribly disappointed her and hurt her self-esteem. Her parents were very concerned and wanted to pull her out of the advanced science class. Her father commented that because she was in the provincial key high school, they did not think she would have any problem to get into a key university, so it was pointless to unreasonably push her. Her mother added, “Competing with all the top students was really tiring… I felt that she was defeated in spirit and was losing interest in study.” So, they went to talk to her homeroom teacher about their concerns. However, Yicheng finally decided to stay in the advanced class, because she still wanted to be one of the best and she did not want to be defeated. Yicheng’s parents commented that the good aspect of staying in the advanced class was that everybody in the classroom talked about going to prestigious universities and shared with each other their college plans. Under this positive influence, Yicheng never set her college goal lower than a key national university.

Yicheng always assumed that she would go to college. “It is just one of those things that people assume would happen.” She said, “College is the only viable path after high school.” When she was in elementary school and middle school, she dreamed of going to Beijing University or Qinghua University, “you know, just like everybody else.” However, since the start of her high school, she came to realize that her grades would put
her out of reach for either of these two most prestigious universities in the nation. “I’ve been always on the top of my class, so I’ve always thought I’d go to Beijing University or Qinghua University”, Yicheng said, “But then I came to this advanced science class, and realized that the competition was more severe than I imagined…I’d be competing with all the top students across the country, and I just don’t think I’d make it…It’s not pessimism. I’m just being realistic.” Therefore, she ruled out these two universities. Naturally, University of Science and Technology in China then came into her sight, because it is among the top three science universities across the country.

Yicheng’s mother has an elder brother working as a faculty member in the Department of Mechanical Engineering at University of Science and Technology in China. She called up her brother constantly to ask for information regarding early admissions, academic programs, and opportunities to study abroad during or after undergraduate programs. The second summer in high school, Yicheng was sent to her uncle’s place and spent two weeks over there. During her stay, she went to visit her uncle’s lab and observed some of the projects his students were working on:

It was fantastic experience. I think I would like it if I finally decided to attend that university. However, my uncle told me about the general undergraduate curriculum, and it sounded boring. It is all about science and engineering. Except for English and politics, no other arts and humanities courses are required.

Yicheng believed that even though she would definitely major in science, she still preferred to study in a university which embraces both the arts and sciences, like Fudan University where her father was pursuing his Ph.D degree. Fudan University was founded in 1905. The literate meaning of its name is “Heavenly light shines, Day after day”,

133
which indicates inexhaustible and industrious exploration in humanities and science. It has also become its university motto and the central goal of its education. Fudan University is one of the elitest universities across the country, and it especially enjoys a high reputation in the eastern China. Fudan is a comprehensive university and consists of seventeen schools, which include solid programs in both arts and humanities and science. Yicheng’s father did a lot of research on different academic programs offered at Fudan University for her. Moreover, he took Yicheng to Shanghai for weekends for several times. He showed her around the campus, and brought her to different lectures on culture, arts, and history, and to campus concerts. Yicheng loved these cultural events and plays. Her father also believed that cultural activities were very important for one to lead a holistic life:

Participation in extracurricular activities instills confidence…While money enables one to lead a comfortable life, cultural activities enable one to live a meaningful life. In addition to the professional skills, I’d like to see my daughter develop a liking to cultural activities. I think that Fudan University is a better place in terms of cultivating interests in literary and cultural activities.

7.3.5 Choice Stage

From the second year of her high school, Fudan University and University of Science and Technology in China became two competing choices for Yicheng. She did not make up her mind until the last semester of her senior year when her father was offered a well-paid job at an international computer company in Shanghai. Since then her parents and she discussed her college choices together for several times. At that time, her average score in the previous two simulative college entrance examinations was 600. Her parents and she were all confident that her academic achievement score would get her
into either of these two universities. Although University of Science and Technology in China has slightly stronger programs in science and engineering, the cultural environment in Fudan University was more attractive. The final decision was that they would all move to Shanghai.

Like most of her peers, choosing a college major was a critical yet difficult issue for Yicheng. She planed to pursue her graduate study abroad after obtaining the bachelor’s degree. To keep her opportunities wide open, she did not want to major in any particular discipline in science and engineering. From her parents’ college experiences, she learnt how important mathematics is in the whole science curriculum:

My dad told me that math is really important in every major in science. For example, he is majored in computer science. He said that a student with math major could transfer to computer science and would not experience too many difficulties to catch up. I am not very sure which area of specialization I would like to be in yet…. I definitely want to go abroad for advanced study. I want to major in math so that when I am applying for the graduate school abroad, I will have more choices.

Because of her uncertainty about which major she wanted to take, Yicheng’s father suggested her to major in mathematics. He pointed out to her that mathematics is the quantitative language of the science world, and that it underpins computer science, engineering, and the physical sciences and it also plays an important role in the biological and medical sciences and economics:

Every student majored in science and engineering understands the significant role of mathematics. Since my daughter is still too young to make up her mind about the profession she wants to be in, I suggested her to take mathematics as her undergraduate program…. With a degree in mathematics, you can continue onto graduate studies in mathematics or in a broad range of other fields such as computer science, statistics, or finance…. It will be easier for her to adjust to other majors if necessary.
Yicheng did not consider money as an issue when it came to applying for universities and to choosing majors. She emphasized that although their family has been living on her mother’s single salary for three years, they had quite a lot of savings before her father quit his job and went for his Ph.D. program. Her parents explicitly told her not to think about money, “All you have to worry about is your academic achievement”. So, she believed that she could go to any university where she was accepted. Now she is happily attending Fudan University.

Ruan Wei

7.4.1 Family Background

Ruan Wei’s father holds a baccalaureate and a Master’s degree in architecture, specializing in architectural and urban design. Wei’s mother has a B.A. in economics, and a Master’s degree in architecture, with her interest focusing on history, theory, and criticism of art and architecture. Both parents are senior researchers at Wuhu Architecture Research Institute whose mission is to promote cross-disciplinary research in design and urban planning. Wei’s father is also doing some consulting work for private architectural firms. The family income is about 300,000 yuan per year.

7.4.2. Early Influence Stage

Wei’s parents began to teach him Chinese characters and poems when he turned three. Like a lot of middle-class parents, they started with a set of rhythmic poems from Tang dynasty. They usually taught him to recite one poem, and then picked up a couple of simple characters from the poem and taught him how to recognize the character and to
write it. Wei started to read picture books about the same age. His grandparents and aunts all liked to give him “wonderful books” as presents. His mother recalled,

We started very early. Most kids don’t know how to write before they go to preschool. But, our son could write his name the first day in kindergarten (when he was three years old). In preschool, when other kids just started to learn how to read, my son could read chapter books. He could read and comprehend and remember what he’s read… He’s always been a big reader since he was little.

A year later after he started learning Chinese characters, Wei’s parents sent him to a calligraphy class in the weekend. Both of Wei’s parents practice calligraphy themselves as a hobby, but they wanted Wei to learn from a professional calligrapher. His parents took turns to accompany him to go to the class and to supervise him to practice it, and sometimes practiced with him. According to his parents, Wei made good progress in calligraphy pretty quickly, and also showed interest in drawing. From the age five, Wei started to have three classes during the weekend, calligraphy, drawing, and piano. His father indicated,

Calligraphy is a good way to discipline a child, especially a boy. He not only learned about the art, but also the discipline carried by practicing the art. To practice good calligraphy, you also have to pay attention to details. Using brush can be slow or quick. Lifting and pressing brush can be both light and heavy. The structure is either open or close. The posture is both motive and quiet… He learned about all of these in calligraphy. It provided him with the basic skills he needed for his drawing class…

His mother added that because neither her husband nor she plays an instrument and both of them always regard it as a pity, they decided to send Wei to learn to play piano. Wei did fine with his piano class, but was not very interested. In contrast, he showed real talents in calligraphy and drawing. According to his parents, he began to
practice running script and grass script in elementary school, both of which have more powerful expressive force of rich rhythms and tunes than regular script, and therefore more difficult to practice. Two of his scripts got picked for the local calligraphy exhibition when he was only at the age of nine. During the years in elementary school, his calligraphy scripts and watercolor paintings kept being sent to different exhibitions. His works also won quite a few local and provincial competitions.

Wei indicated that he spent a lot of time and energy on practicing calligraphy, drawing, and other extracurricular activities in elementary school, and studying was not his number one priority. His parents did not set any ground rules about schoolwork or ranking in class. “Elementary school was easy.” Wei said, “It was so easy that sometimes I’d skip homework. My parents sometimes would ask me, ‘Did you do your homework?’ And if I said yes, they believed me.” Instead of drilling him in school subjects, Wei’s parents encouraged him to participate in all sorts of extracurricular activities. Wei attended aircraft modeling class, in which he learned the art of building fine aircraft models. He was also a member of the Chinese chess club, and liked to challenge his grandfather to a game. He also played soccer and ping-pong.

Wei read a lot and read widely. He had a broad interest in reading. He read comic books and novels. He read about science and philosophy, arts and history. “I read everything I could get.” Wei said, “And my parents subscribed to a whole lot of magazines and journals, and most of them were for me, such as Youth Science, Chinese Youth, Reader, and We Love History.” Surprisingly, despite the fact that Wei spent very little time on learning the school subjects, he still did quite well in school.
7.4.3 Predisposition Stage

The summer when Wei graduated from elementary school, his aunt invited him to go to Beijing to spend the summer break with her family. Wei’s aunt is a professor at Beijing Foreign Language University, and they live in a beautiful community close to the campus. His cousin, who is three years older than him, showed him around in Beijing.

They visited Forbidden City, Tiananmen Square, Summer Palace, Temple of Heaven, and Temple of Earth. For most of the time, however, they traveled on their bicycles from one university to another in the college district where they were living. There are ten national key universities located in this northwestern suburbs of Beijing. Wei has heard about all of them, but that was the first time that he had the opportunity to visit them one by one.

Wei was impressed by every one of them.

They are all so beautiful. My parents talked to me about them a long time ago, maybe even before I went to elementary school. I’ve also visited Beijing before. But that was the first time that I visited all of these universities… Only then I began to have real feelings about these famous universities.

Qinghua University was Wei’s favorite. The campus of Qinghua was built on the remains of several former royal gardens of Qing Dynasty, surrounded by a few historical sites. The garden-like landscape, the Wanquan creek meandering through the campus, and the famous “lake of lotus” that inspired a renowned Chinese writer’s best-known prose all amazed Wei. Tsinghua University was established in 1911 originally as "Tsinghua College," a preparatory school for students who would be sent by the government to study in universities in the United States. Therefore, the campus also has several western-style buildings. “That was amazing.” Wei commented, “The very
Chinese artistic architectures and some baroque-style buildings can accommodate each other so well and contribute equally to the beauty of the campus.” Wei was so impressed by everything he had seen.

When Wei returned to Wuhu, his parents already got the admission from Fuzhong middle school for him by paying the extra tuition. Wei was not surprised because he had always assumed that Fuzhong was where he would be going for middle school. He shared with his parents his feelings and opinions about different universities that he had visited in Beijing. His parents were very happy to find that he showed a strong interest in architecture. They encouraged him to set his goal on the school of architecture in Qinghua University. They also pointed to Wei that to accomplish that goal, he had to take the schoolwork more seriously. Wei agreed.

I always paid attention to the teacher’s lectures. I just didn’t always finish my homework, and that’s only because they were too easy for me. But, middle school became a little bit difficult and thus more challenging. I kind of liked it.

In the first year of middle school, Wei’s academic performance ranked in the top 10 percent in his class. According to his parents, Wei still did not give 100 percent of his effort, but they did not want to push him too much. They had the confidence that he would work hard enough to make his college dream come true.

When Wei was a junior in middle school, his father was invited to work at University of Greenwich in London as a visiting scholar for one year. His father asked Wei if he would like to go to study in England for a year. Wei jumped at this wonderful opportunity. His mother said,
Before we talked to him about this possibility, we have been hesitating about this idea for a long time. It’s easy to pull him out of the school and take him to London, but it would be extremely difficult to bring him back and try to put him back in the Chinese educational system… So, we decided to talk to him and just to see how he would respond. To our surprise, he was very excited and absolutely certain that he wanted to go.

Wei also recalled that moment. “I’ve read so much about Europe, especially the art and history of architecture in Europe. I wanted to go there and to experience it myself, so of course I said ‘Yes’.” Because of Wei’s strong desire for this opportunity, his parents finally decided to let him go to England with his father. In the winter of Wei’s junior year in middle school, Wei’s parents and he worked out a plan about Wei’s education in England. They bought all the textbooks for the next year according to the curriculum of China. Wei’s father planned to teach him math and physics. Wei was going to learn Chinese by himself. Moreover, Wei’s parents had a conversation with the principal of Fuzhong about this temporary withdrawal from school. The principal agreed to keep Wei’s record in school, but Wei’s parents still had to pay the tuition and fees for that year. They signed the agreement and began to prepare for this big trip.

It was the first time for both Wei and his father to be in England. Everything was foreign, exotic, but also interesting for them. In the middle of a chaotic excitement, however, they still managed to find a middle school for Wei as soon as possible with the help from the Chinese community at University of Greenwich. Not unexpectedly, Wei had some difficulty with the school at the beginning.

It was mostly the language problem. I’ve learnt English since fifth grade, but when I went to school in London I felt that I’ve never learnt anything useful in my English class… Math and science were fine. Actually, I’ve already learnt in China most of what they taught (in math and science) on 8th grade.
Wei’s father turned out to be very busy with his research at University of Greenwich, and did not have much time to teach Wei math and physics. Mostly, Wei studied on his own. Since the school in England has a rather short school day compared to the Chinese school, Wei had a lot of time after school to work on the textbooks he brought from China. It was the most challenging time for Wei, but he still cherished the experiences and learnt a lot from the school and the life in London.

A year later Wei came back to China with his father, and continued his education at Fuzhong. Although he had learnt all the school subjects on his own during the year when he was in London, Wei could hardly catch up with the class. In addition to the textbooks, teachers at Fuzhong used a lot of supplementary materials that Wei did not have. Wei’s father explained the whole situation,

Oftentimes, teachers at Fuzhong asked students to buy additional learning or testing materials, and trained students to be familiar with different types of questions. Since students had done a lot of exercises, once they saw a similar question in an exam, they could quickly figure out a solution… Of course Wei hasn’t been trained this way, so generally he needed more time to work out one question. Usually he didn’t have enough time to finish the exams.

Wei’s grades began to slip. He had to cut back on the time he used to spend on drawing or playing piano in order to “drill myself in exercises and testing”. He made some progress within the half a year left in middle school; however, it was not enough to get him high scores in the high school entrance examinations. He missed Fuzhong’s admission score by 15 points. Without any hesitation, his parents paid the extra 7,000 yuan per semester to get him into Fuzhong high school.

7.4.4 Search Stage
After graduating from middle school, Wei realized the need to dramatically change his attitude toward achieving academically, especially the need to improve his grades. Therefore, since the start of high school, Wei stopped going out to play soccer or basketball with his friends, ended his private piano lessons, reduced the time for the extracurricular reading, and began to spend most of time on learning school subjects.

I got up at five in the morning to memorize English vocabularies and texts…I studied until 11 at night… In addition to the large amount of homework assigned by the teachers everyday, I completed a lot of exercises and testing my parents could find for me from bookstores… I didn’t have a life… What I wanted the most at that time was sleep. I was totally sleep-deprived.

While Wei was trying his best to catch up in terms of academic performance, his parents were collecting information about different universities and their architecture schools for Wei. They looked up information online, went to consult with Wei’s homeroom teacher regarding the enrollment rates to different colleges, and made a chart representing all the information they collected. On the left side of the chart, they had four universities listed by the ranks of their architecture schools. They are Qinghua University, Tongji University, Tianjin University, and Southeast University. Across the top of the chart were the five years from 2001 to 2005. In each cell, they put in the enrollment quota each university had for Anhui province in one specific year and its admission score. In the winter of Wei’s junior year, his parents showed him the chart and a pile of national college entrance examination papers from the previous five years. “‘Here’, they said, ‘Take the test and see which university you could get in.’” Wei recalled that during the whole winter break he had been working on all of these test papers. He usually locked himself up in his study room, set an alarm clock to time the testing, and then did those
previous college entrance examinations. After he finished one set of the testing that included five subject, Chinese, Math, English, Physics, and Chemistry, Wei would take his testing papers to his teachers and asked them to score for him. The results were not very encouraging. Compared his own scores with the admission scores listed in the chart his parents gave him, Wei found that he only reached Tongji University’s admission score for once, and Tianjin University for twice. His achievement was far from Qinghua University’s admission scores. His parents discussed his achievement scores with him, and suggested that he should target at Tianjin University. Meanwhile, Wei’s parents began to search for information about applying to colleges and universities in Great Britain for him.

7.4.5 Choice Stage

The summer before his senior year in high school, Wei went to Shanghai to take a month-long heavy training class in IELTS, which is an abbreviation for International English Language Test System. IELTS is a part of requirement for college applications in Great Britain. Wei went to a private language school that provided comprehensive preparation for the exam. According to Wei, the courses were demanding and boring. He attended 80 classes over a four-week period and was challenged with extensive homework assignments that reinforced the concepts and methods presented in each class. Later that year, Wei took the IELTS test and got 7.5 out of nine. His parents and he were all very happy about his achievement score. “When we saw his score in IELTS, we became more confident that Wei would be going to Great Brain for his college education… He had a pretty good GPA from high school, an impressive collection of his
paintings and calligraphy works… and then a high score in IELTS to approve his language ability…”

Wei continued to prepare for the national college entrance examinations, but felt more relaxed about it. He also spent part of his time and energy on writing his personal statement and preparing the collection of his paintings. His parents talked to his homeroom teacher about their alternative plan for Wei. The teacher was very supportive and agreed to write a recommendation letter for Wei. In the end, Wei’s homeroom teacher and his English teacher wrote a strong recommendation letter together for his application to the British universities. His parents did more research on the British universities and their architecture programs. They made a list of twenty universities that have a strong program in architecture. They helped Wei pick ten of them to apply to. Although University of Greenwich was not on that list, Wei still applied to it because of the positive experiences he had there a few years ago.

In March of 2006, Wei went to Qinghua University, Tongji University, and Tianjin University to participate in the talents test on drawing, which is mandatory for students who apply for architecture programs. Wei successfully passed the tests required by all the three universities. About the same time, Wei sent out all his applications to the universities in Great Britain. In early June, Wei took the national college entrance examinations. He performed fairly well in the exams, yet his total achievement score was still a few points lower than the admission score to Qinghua University and Tongji University. In Early August, he received the admission from Tianjin University. A week later, he also received a couple of admission letters from British Universities. After a few
discussions between Wei and his parents, they all concluded that it would be better for Wei to go to Great Britain for his undergraduate study instead of living with his third choice – Tianjin University.

The total expense of attending a British university is almost ten times of the expense of a college education in China. According to Wei’s parents, they needed to provide financial evidence that they had at least a saving of 600,000 yuan in order for Wei to get his student visa to Great Britain. “It was not very easy for us”, Wei’s mother admitted, “We didn’t have that much cash in the bank, so we sold some of our stocks and an old apartment we had been renting out for a few years… We all believe that studying abroad is a precious experience and will help Wei with his career in the future. So, as long as we could afford it, we’d go for the best choice for him.”

Zhang Peng

7.5.1 Family Background

Zhang Peng is a well-behaved, cheerful student with superior academic achievement. He is from a working-class family. His father, with a high school diploma, is working on a boat for a local river transportation company. Because of the nature of his job, Peng’s father does not have a regular working schedule. Generally, he can spend five days at home every month. His mother, who is also a high school graduate, is working at a large automobile factory in the suburbs.

7.5.2 Early Influence Stage

Before going to elementary school, Zhang Peng was taught a few Chinese characters by his mother. However, Peng’s parents were not very serious about teaching
him to learn Chinese characters because they believed that if he had already learned what
teachers were going to teach in class, it would bore him and he would lose the interest to
learn in class. “We taught him a few, just for fun.” Peng’s mother said, “He could
recognize about ten words before going to school, but he couldn’t write at all.” Peng went
to a kindergarten at age four, and spent two years in there before going to elementary
school. He learned to count from one to a hundred in the kindergarten, and also finally
learnt how to write his name. “Those were the only two characters I knew how to write
when I started elementary school.” Peng recalled, “I still wasn’t good at it, and my
teacher couldn’t recognize what I wrote, so she mispronounced my name.”

Zhang Peng was not an outstanding student in elementary school. “I did pretty
well. I wasn’t top of the class of anything, but I wasn’t too bad. My grades were pretty
average.” He spent a lot of time playing soccer and did not care much about schoolwork.
Peng could not recall any ground rules made by his parents about schoolwork. “My
parents sometimes scolded me for not doing my homework”, Peng said, “but there was
not much they could do about it.” However, Peng’s mother said that they did have rules
about schoolwork and homework for Peng. It had to be done before other activities, like
playing with friends or watching TV, were allowed. The problem was that his father was
not much around because of his job and his mother got back home pretty late at night
because of the long commute, thus no one was at home to supervise Peng.

Nobody has mentioned college to Peng before he was going to middle school.
Neither his father nor his mother had a college education, so any talk or discussions about
their own college experiences were nonexistent. The first time when going to college came cross Peng’s mind was when he was in middle school.

7.5.3. Predisposition Stage

Upon graduating from elementary school, Peng won the lottery to Fuzhong middle school. He regarded it as the most important turning point of his life so far.

Sometimes when I looked back, I would have this fear that what if I didn’t get the lottery and went to an ordinary middle school. I guess my life would be totally different. And, college might not be an option for me…You might think going to college is the key for a person’s course of life, but I feel that…for me, it’s such a natural thing to go to college since I came to Fuzhong, where everybody talked about colleges…The real turning point was winning the lottery. My life has completely changed since then.

Peng recalled that the first day in middle school the homeroom teacher asked everybody to stand up to share their college dream with other students. Peng had no idea about colleges at that time, so he picked one community college that he knew because it was close to where he was living. Other students were staring at him like he was from “another planet”. He still remembered the teacher’s comment, “I bet you’d do better than that.” When recalling that event, Peng laughed at how ridiculous he was.

As he progressed through middle school at Fuzhong, he was constantly surprised by how often teachers and his classmates talked about a college education. It seemed that going to college was the only viable path that every student in Fuzhong should take, and that not going to college was such a shameful thing. Under the influences of his teachers and classmates, Peng began to seriously think about going to college and wanted to do better in school so that someday he could go to one of the prestigious universities that other students presented in class as their dream schools on the first day.
Peng had his hard work rewarded – he began to catch up academically and started to show his talents in science. He especially excelled in chemistry and participated in the special training program for chemistry competitions. He won two championships in chemistry, one in the school district and the other citywide. However, his achievement in Chinese and English was still below the average, and he especially struggled with his Chinese written composition class. Peng never developed a love of reading throughout his school years. Actually, the first book he remembered reading in its entirety was in high school. Occasionally, he would borrow some Japanese comic cartoon books from his classmates, but never did any serious extracurricular reading. His mother also said that both Peng’s father and she did not read for enjoyment,

Normally, his father worked on the boat for three weeks per month, and then could stay at home for five to seven days. When he was at home, he liked to go to his friend’s place to play poker or mahjong. I sometimes went with him. Most of the time, I was so tired after work and I’d just relax and watch TV…We didn’t subscribe to any magazine or newspaper… We were not very interested in reading…But, we bought all the textbooks and supplementary learning materials required by the school to make sure that Peng had things to read…

Because Peng’s low achievement in Chinese and English, he sometimes had doubts about his ability to go to college. Therefore, when it came close to graduation from middle school, he was still very hesitant about if he should continue his education in a general high school or he should go to a specialized secondary school:

I truly appreciated the opportunity to attend Fuzhong middle school, so I really worked hard and I was among the top ten in my class. So, I thought if I applied to a specialized secondary school, I could get into a very good one…I had Nanjing Transportation School in mind. My parents had a few friends who graduated from there were working on the railroad. They got decent salaries and good benefits…At that time, college still seemed to be far away from my life.
Peng communicated his idea about going to a vocational school with his parents. They were supportive of his idea because they also felt a college education did not seem to be very practical. However, Peng’s homeroom teacher paid a visit to Peng’s family after he saw Peng’s application form. He persuaded Peng to continue his education in a general high school and he showed his strong confidence in Peng’s ability to pursue a good college education afterwards. “He gave us a lecture on the importance of a college education and all the possibilities for life that can only be achievable with a college education…So, he won me over…My parents are always supportive of my decision, so they had no problem with the change of the plan.”

In the year of 2003, Peng successfully passed the high school entrance examinations, and got admitted by Fuzhong.

7.5.4 Search Stage

From the minute he made his mind to go on to high school, Peng knew that he would try his best to go to college. Still concerned with his achievement in Chinese and English, Peng began to spend more time on reading. He bought a few composition books to learn how to write an essay. He found a trick that was helpful to his written composition. He recited quite a few sample essays provided in the composition books, which he claimed really improved his writing skills. “I know it sound stupid,” Peng said, “but it worked well for me.” Meanwhile, Peng continued to shine in the science class. In the junior year of high school, Peng participated in a provincial level chemistry competition and won the championship.
In high school, college has turned into a taken-for-granted reality for Peng. Talking about prestigious universities became a part of his daily conversations with his teachers and classmates. “Everybody dreamed about Beijing University or Qinghua University,” he claimed, “but not me”. Peng was very aware of the fact that he would not be going to Beijing for his college education. It is too far from home. He was not comfortable with the idea that he would not be able to come home if and when he needed to. Moreover, he has never been to the North and he had no idea how the life would be in Beijing: “I’m not sure if I’d get used to the cold weather and the Northern diet. I don’t know. I’ve never been there. It could be hard.” Peng then added, “And, people there speak perfect mandarin. It could be intimidating.” Therefore, from the very beginning of his college choice process, he narrowed the location down to Anhui province and a few big cities in the neighboring provinces. He had a strong preference to stay in Anhui province. Within Anhui province, University of Science and Technology in China is the best, Peng thus listed this university as the number one on his list of choices. Peng had three universities in mind. Anhui University was the second on the list, which is a provincial key university. The third was Anhui Normal University.

7.5.5 Choice Stage

As previously noted, Peng’s father was not much around the house and Peng’s mother usually had to leave home early in the morning and got back quite late at night because of the long commute from home to work. Moreover, because neither of his parents had college experience, they were not very much involved in Peng’s college
decision-making process. Basically, Peng forged his own way in sorting through college choices for himself:

My parents were both really busy with their work, and seldom had time to discuss the issue (college choice) with me. I’m not complaining about it. I understand that now without a college education, it is tough to keep your job. I heard them talking about their companies were lying off people all the time. They were constantly worried about their jobs…So, I just made the decision all by myself…Maybe I have talked to my friends a little bit about it, but basically it was just me…And I knew, whatever I decided, my parents would be one hundred percent supportive, because they always were.

As noted earlier, Peng was a star student in chemistry, and won a championship in a provincial-level chemistry competition in the second year of high school. Therefore, in the fall semester of his senior year, he got a chance to choose between the participation in the early admission examinations to Fudan University and to University of Science and Technology in China. It did not take long for him to choose University of Science and Technology in China. First of all, in Fudan University’s early admission exams, students had to take three subjects. Math was required for every student. The second subject could be either physics or chemistry. The third part was called “gift demonstration”. Students could either choose to give a speech in Chinese or English, to play an instrument, to practice calligraphy, or to draw. Peng’s achievement in Chinese or English writing was about the average. Moreover, he never learnt any instrument and had no experience with calligraphy or drawing. So, the so-called “gift demonstration” part could be hard for him. In University of Science and Technology in China’s early admission exams, the subjects included Math, Physics, and Chemistry. Peng found it much easier for him. Moreover, University of Science and Technology in China is located in Hefei, the capital city of
Anhui province. It is much closer to Wuhu compared to Shanghai where Fudan University is. When talking about his decision-making about which college to go, Peng expressed his concerns about his mother. Because his father was not at home very often, Peng was worried that his mother might feel very lonely after he has gong to college. Therefore, he would like to come home reasonably often. Moreover, the living expenses in Hefei are similar to Wuhu, while Shanghai, the largest city in China, is notorious for its extremely high living expenditures.

Money was not only a factor in Peng’s college choice process, but also a substantial variable that influenced his decision about college major. When he went to Hefei for the early admission examinations, Peng talked to people in the student office about the tuition and fees charged by different departments. He first considered choosing information system or computer science as his undergraduate program, because these two majors currently have a very good job market in China. A graduate from these two fields can expect to find a well-paid job rather easily. However, he found out that information system charged tuition of 8,000 yuan for a year and computer science charged 6,500 yuan. He believed that his parents had probably saved enough money for his college education, or at least for the first one or two years. However, Peng could not bear the thought that he might use up all of his parents’ savings for his college education. According to his observation, Peng’s parents were very restricted with spending money for themselves. They very seldom bought nice clothes for themselves, and never went out for a nice meal or any other entertainment. They always told Peng that sending him to college would be the biggest and the only luxury they would like to enjoy. His parents
were getting old, and once they retired their pension would decrease to only two thirds of
their current salary, which would make their not-so-good situation even worse. "I have to
worry about all of these things, although my parents told me not to…", Peng said.
Therefore, after all of these considerations, he chose chemistry as his major, which cost
only 4,000 yuan for a year.

However, Peng did not share his concerns about money with his parents. His
parents had no idea that Peng had struggled among different possibilities for his
undergraduate program. His mother indicated that the college decision-making entirely
depended on Peng himself. Her husband and she felt incompetent when it came to
discussions about colleges and majors. They had absolute trust in Peng and believed that
he would be able to make the best decision for himself. Her husband and she tried to
ensure Peng that they had some savings for his college education so that money should
not be an issue when he was making his choice for college.

We always tried to squeeze some money out of our daily expense and put it aside in case of emergency. We began to save specifically for Peng’s education after he
went to Fuzhong middle school and showed some interests in going to college…Neither of us had a college education and thus could not help him with his schoolwork. So, the least we could do is to be supportive of his decision and not let money bother him.

Obviously, money still played a large role in Peng’s college decision process. The
reason Peng did not communicate his concerns with his parents is that he did not think it
would be helpful. He expressed the concern that his parents might feel guilty that they
were unable to pay for him to go to the ideal program. Or, they might decide to borrow
around in order to support the best choice for him. Either way was not what Peng wanted.
Pen said, choosing chemistry as his major might turn out to be a good decision, because he was actually interested in chemistry and confident that he would do well in this major. He was hoping that his outstanding performance in chemistry would bring him some merit-based scholarships.

Peng passed the early admission examinations, and became one of the chemistry freshmen of 2006 at University of Science and Technology in China.

**Shi Juan**

**7.6.1 Family Background**

Both of Shi Juan’s parents are high school graduates. Her father is working at a textile factory as a mechanic, and her mother is working at the tobacco factory as a packaging worker. They are living with Juan’s grandfather in his apartment. Her grandfather used to be a middle school teacher at Fuzhong, and the apartment was provided by the school as part of his retirement settlement.

**7.6.2 Early Influence Stage**

Juan and her parents moved in with her grandfather while she was on second grade in elementary school, when her grandmother passed away. Before that, Juan and her parents were living in a rental apartment, which was close to her mother’s factory but about one hour’s bus commute to her father’s working place. At age four, Juan’s parents sent her to a kindergarten that was owned by her mother’s factory. The kindergarten was located inside of the factory, and the teachers were actually employees of the factory. Different from other kindergartens that were sponsored by the community or the local government, the teachers were not certified
kindergarten teachers. Juan’s mother explained that usually those teachers were wives or daughters of some experienced and skilled workers. They were hired by the factory as a benefit provided to their husbands or fathers who were highly valued workers; however, since they lacked of skills for other positions, they were put in this kindergarten and became so-called “teachers.” Juan’s mother was aware that this kind of kindergarten would not provide her daughter with valuable preschool experiences. Nevertheless, she did not have a choice.

Because our factory is a tobacco factory, it’s located in the suburbs. Other nice kindergartens were all very far from our factory. If we sent her to another kindergarten, transportation and time would become a problem… We just needed someone to look after her when we were at work.

Juan’s mother decided to teach Juan herself. The year before Juan went to elementary school, Juan’s mother started to teach her Chinese characters. It usually took her half an hour to teach Juan a couple of characters, and then she would make her copy the characters for 50 times each in order to make her memorize them. “She was not a fast learner.” Her mother recalled, “but she did learn quite a few characters before going to school.”

Juan usually spent her weekends in her grandparents’ place. Her grandfather had some knowledge about calligraphy and used to teach her to exercise it. Juan’s parents were very supportive of Juan’s calligraphy practice. Juan’s mother specified the importance of practicing calligraphy:

I think having a beautiful handwriting is very important. I remember when I was in school, our composition teacher used to tell us that a good handwriting could easily impress the teacher who was grading the composition. You might get a high grade for your composition not because of what you wrote but because how your handwriting looked like… It’s also important when you are looking for a job. You will give the interviewer a really nice first impression if you have neatly written your resume… (When I pointed out that nowadays people usually print out their resumes, she responded that) Yeah, but you get the idea. It’s a very useful skill.
By the time she went to elementary school, Juan had learnt quite a few Chinese characters and some simple math. Juan’s mother continued to oversee her schoolwork at night and set up rigorous rules about homework and grades. Juan’s mother shared that, “Juan was raised in a very disciplined home. I was there every day after school. She’d come home and immediately start to do her homework. Only after she finished her homework, we’d let her watch TV a little bit. In fact, we didn’t allow her to watch any TV drama series the whole time she was growing up. She could watch cartoon and the program ‘the Animal World’, and that’s about it.”

Juan’s parents had high expectations for her, and Juan did not disappoint them. She was doing very well in school, and graduated from elementary school as one of the top ten students in her class. However, unluckily, Juan did not win the lottery to Fuzhong middle school. It was the first time that her family was facing such a difficult choice about where she should go for middle school.

7.6.3 Predisposition Stage

Having learnt that Juan was not one of the few lucky winners of the lottery to Fuzhong middle school, her parents’ initial response was that they had no choice but to send her to an ordinary middle school in their community. However, Juan’s grandfather insisted that they should try everything to get Juan to Fuzhong. Usually, Juan’s grandfather did not interfere with Juan’s parents’ decisions about her education, but this time he stepped in and lectured them on the importance of sending Juan to a good middle school. Although her grandfather has already retired at that time, he still had a few friends who were in administrative positions at Fuzhong. So, he paid some visits to his
friends and used his old-boy network to get Juan into Fuzhong middle school. Her parents had a big argument with her grandfather when they learnt about the fact that in addition to mandatory fees and textbook costs they had to pay an extra 5,000 yuan every semester for Juan’s admission to Fuzhong. Juan offered her observations and comments about this issue,

It’s not like they didn’t care about my education. They actually cared a lot. It’s just that they didn’t know how important it was to go to a good middle school. They thought I could go to an ordinary middle school and then go to Fuzhong for high school. It’s not impossible, but it would be extremely hard. And my grandfather knew all about it.

Finally, Juan’s grandfather offered to pay for the extra tuition. However, Juan’s parents did not sincerely appreciate the choice he forced them to make until the year Juan graduated from middle school. Juan’s parents learnt that not a single student in the middle school in their community reached the admission score to Fuzhong in the high school entrance examinations that year. Juan’s father said,

The old man was right…It was not about money. We just wanted to save the money for her high school and college education. We didn’t want to spend the money so early on… But, he (Juan’s grandfather) was right. If we didn’t pay to get her into Fuzhong middle school, she probably wouldn’t need the money we’ve been saving for her college education – she might not be able to get into one.

Juan’s parents both agreed that Juan could not have gone so far on the path to college if it were not for her grandfather.

During the time in middle school, Juan was continuously exposed to the idea of going to college. Fuzhong is a school with a college culture, which expects its students to attend college and whose students share the goal of continuing their education beyond
high school. Immersed in such a school culture, Juan began to consider a college education. Her parents also had high expectation for her. That is, she could obtain a college degree someday in the future. However, although both Juan and her parents had developed the preference for a college education when she was in middle school, they never clearly discussed about a college plan until Juan’s second year in high school.

Since Juan’s parents could get some financial help from her grandfather, they did not feel their budget was too tight although they were both workers with low-medium salary. They were always willing to spend money for Juan’s education more than anything else. Juan continued to study hard in middle school; however, she was not in the top rank anymore. To encourage her to work even harder, Juan’s parents set up a reward policy, by which they would reward Juan with 50 yuan if she could get into the top ten in her class in any semester or semi-semester examinations. There was also a punishment for not achieving the average score of the class. They would not let her watch TV for a long time until she showed some progress in the next exams. “They were very strict with my schooling. They never let me go out to play with other kids,” Juan complained, “Not even in the weekend. They made me do extra homework during the weekend”. Her mother said that they had tried their best to help Juan with her education. Since her middle school, Juan’s parents have sent her to a variety of after-school classes, such as the math class, the Olympic science class, and the English class. All of her after-school classes were related to her schooling. Juan’s parents did not think that it was a good idea to send her to a real extracurricular class, such as a dance class or a drawing class, because they thought it would only distract her from her schoolwork and therefore would
do no good for her. Juan agreed with her parents on that; however, she also complained that going to after-school classes was not helpful and it simply drained her energy for studying. For the same reason, Juan’s parents did not subscribe to any extracurricular readings for Juan. Nevertheless, they bought a lot of supplementary materials for Juan’s schooling every semester.

Overall, Juan’s academic achievement in middle school was about the average. Since Fuzhong has much better qualified teacher, better facilities and learning environment, graduates from Fuzhong middle school are generally better prepared academically and therefore virtually there is no competition from outside when it comes to the high school entrance examinations. Therefore, although Juan was not a top student in her middle school class, she did not have any difficulty to pass the high school entrance examinations and to get admitted to Fuzhong.

7.6.4 Search Stage

Although Juan’s parents have been paying close attention to Juan’s education from elementary school, they never talked to Juan about a college plan. It only began in the sophomore year in high school, when her parents encouraged her to start thinking about college. Over the years Juan has heard her teachers and classmates talking about going to college. However, she never thought of discussing this topic with her parents until the second year of high school. She was surprised when her parents brought up this topic, but since then she would sometimes discuss her thoughts about colleges and possible majors with her parents:

I knew I would go to college. Every student in Fuzhong high school is supposed to go to college. That’s what they say, “Once you get into Fuzhong, you get one
Neither of Juan’s parents had college experiences. They were generally supportive of Juan’s education, but not very knowledgeable about what they could do to help with her college choice. Thus, Juan did the initial search for college information by herself.

Students in Fuzhong are highly encouraged to attend college. Teacher-student interactions, course content and a variety of testing are all directed at supporting college preparation. Juan heard of classmates talking about colleges in middle school, and began to think about her college choice since she started her high school. Like a lot of her peers, Juan regarded Beijing University and Qinghua University as her dream schools. However, since her sophomore year, she began to think about her college choice more practically:

I think that everybody dreamed of going to Beijing University or Qinghua University once in his life. I know I did. And then once you see what your scores are, you become more realistic as time goes on…. New schools come into the picture after you realize the limitations.

Juan was still ambitious enough to apply to a national key university. To find out the most appropriate school to apply to, Juan consulted with her homeroom teacher who provided her with a list of first-tier universities and their entrance scores in the previous year. After processing the information given by her teacher, Juan found out that a few key universities that are located in the far north generally had lower entrance scores for
high school graduates in Anhui province\textsuperscript{11}. Juan figured that it could be because not many people want to go that far for college. Given her academic achievement, the chance for her to get into a national key university around the East cost area was rather small. Therefore, she decided to take the advantage of that and applied to Jilin University, where is more than 2,000 kilometers away from Wuhu. Juan has never been in the North. She did not think she would like to live in the north because of the weather and the diet. However, she believed that “living an easy life is not the reason for one to go to college”, and that she was “choosing the college for a right reason”. She thought that a degree from a well-known key university would definitely help with her career. “Nowadays life in the work environment can be very hard without a good education from a good university,” Juan said, “The better school you get in the better off your life will be”.

\textbf{7.6.5 Choice Stage}

When she had finished the initial research on college information, she talked to her parents about her idea to go to a key university in the North. Unfortunately, her parents did not support her idea of going to a university so far away. As her mother said, She didn’t know what she was doing. She was still a child, and we didn’t think she was making the right choice. We didn’t want her to go there only to find out that she simply could’t get used to the environment and get sick of the foods, while nobody is around…. We felt obligated to make the right decision for her when she was too young to think things through…We knew how much she wanted to go to a key university, and that’s why we suggested her to apply to Nanjing University.

Nanjing University is in a neighboring province, where is only two-hour drive away. It is one of the oldest universities in China, and enjoys a high reputation in the east

\textsuperscript{11} Note: Every university has different entrance scores for different provinces.
coast area. Juan was afraid of the competition for Nanjing University, and had the fear that putting Nanjing University as her first choice might ruin the whole college application. Nevertheless, under the pressure from her parents, she still applied to Nanjing University. Unfortunately, she missed the entrance score by only 15 points. She ended up going to her backup school, Anhui Normal University. It was heartbreaking. She refused to talk to her parents for a week after she received the rejection letter from Nanjing University. She also bitterly found out that if she insisted on her original plan, she would have been accepted to Jilin University. However, her parents did not quite understand her frustration. Her mother’s comments were,

Anhui Normal University is not a bad school. Officially, it’s also a key university. It’s just not that prestigious. But, it’s here, in Wuhu. She can come back home for meals, just like when she was in high school. And, we can save a lot of money from transportation, boarding, and foods…. She will understand it eventually.

Although ending up in a college distant from her own choice made Juan severely disappointed, the rather low tuition charged at the normal university relieved Juan’s parents of financial burdens to some extent. Juan was aware that paying for her college education was a great expense for her family, but she did not want to apply for financial aid. She thought that financial aid is only for those from extremely poor families, and she did not think she would be eligible. Even if she was, she added that, she still did not want to apply for financial aid, because she thought that it was shameful to depend on financial aid which she took like a social welfare. She commented that people usually looked down upon those students who relied on financial aid, and it would make one’s college life really difficult. “You’d become one of those poor students, and nobody wants to socialize
with you. College life, which is supposed to be the most beautiful time in your life, would be totally ruined.” She could not explain where she had gotten this kind of feelings about financial aid and referred it as “a general impression” that she got from reading some news published in the mass media.

**Li Qunhuan**

7.7.1 Family Background

Qunhuan grew up as one of two sons in a peasant family. His family is living in the rural area where is about 50 kilometers away from Wuhu city. Qunhuan went back to visit his family once per semester during his high school years in Wuhu. Both of his parents are farmers. Qunhuan’s father has an elementary school education, and can speak some mandarin with heavy accent. His mother is illiterate and speaks only the local dialect. The understanding of Qunhuan’s childhood experiences and his college decision-making process is mostly based on the interview with Qunhuan.

7.7.2 Early Influence Stage

Qunhuan could not recall any early educational experiences at home before going to elementary school. Instead, he began to help with chores around the house since he was five year old. When he turned into seven, he has already become a good helper in farming.

The village where Qunhuan’s family was living had a small elementary school. The school used to have two teachers. One taught Chinese and math for first, second and third grades. The other taught Chinese and math for fourth, fifth, and sixth grade. The
year when Qunhuan reached the age to go to school, one of the two teachers quit and left the village. The only teacher in the school had to teach more than thirty students across six grades. Thus, the teacher worked out a schedule that half of the students came to school in the morning only and the other half came in the afternoon. This situation continued for a year until the village found a new teacher for the school.

 Unlike the elementary school in the city that provides a variety of classes including drawing, music, and physical education classes, the school Qunhuan went to only offered Chinese and math classes. More importantly, because neither of the two teachers was able to teach English, no English class was offered in the village school. In contrast, in the city English class was required from fourth grade. This gave Qunhun a difficult time later when he went to middle school.

 Qunhuan studied really hard and was the best student in school. At that time, he already showed his talents in mathematics. “I like math very much.” Qunhuan said, “In the elementary school, we didn’t have any supplementary materials other than textbooks. So, I did every exercise in the math textbook. After I finished going through the whole book, I didn’t have anything else to work with, so I’d sometimes make up math questions for myself… I’d play with the math question provided in the book, and then thought ‘what if I took out this variable, what would happen?’ or ‘what if I changed this condition, how the result would change?’… I had a lot of fun studying math.” The teacher thought highly of Qunhuan’s academic ability, and encouraged him to go on to middle school after graduation. “My parents didn’t have any problem with that.” Qunhuan recalled, “They have high expectations for me, and they want me to finish middle school.” Upon
graduation from elementary school, Qunhuan became the only student who continued his schooling in the county seat. Another three classmates of Qunhuan went to a neighboring village for middle school and none of them went on for high school.

7.7.3 Predisposition Stage

The middle school in the county seat that Qunhuan was admitted to was a local key school. Most of its student population was from the county seat, but it also admitted a few outstanding students from the villages around it every year. It provided room and board for those students who were not local. However, Qunhuan did not become one of the boarding students because the expenses were too high. Therefore, Qunhuan had to travel on a bicycle one and a half hours to reach the school in the morning and then came back home at night. “I had to get up at five in the morning in order to be on time for school (which began at seven),” Qunhuan said, “It was fine in spring and fall, but very difficult during the winter. When weather was bad, I had to get up even earlier in order to get to school on time.” However, when Qunhuan recalled the three years in middle school, traveling between home and the school everyday was not the hardest part. The issue that bothered him the most was the English class. Most of Qunhuan’s classmates had already learnt English for two years in their elementary school, while Qunhuan had to begin with the 26 letters. “I was left behind from the beginning,” Qunhuan said, “And I never really caught up.” In contrast to his struggle in the English class, Qunhuan began to shine in math, physics, and chemistry. In the second year of middle school, Qunhuan came in second place in a provincial chemistry competition. In his senior year, Qunhuan won the championship in a provincial math competition and came in third in physics. In the last
semester of middle school, Fuzhong’s special recruiting crew came to Qunhuan’s middle school and persuaded him to go to Wuhu, a city 50 kilometers away from his village, to continue his high school education. His homeroom teacher also had a talk with him, and encouraged him to take the opportunity to go to Fuzhong high school because it would give him a better chance to go to college. That was the first time that someone talked to Qunhuan about going to a college.

Qunhuan always wanted to be a good student and never lacked the motivation to learn. However, the idea of going to college never occurred to him. He just thought that he should try to get as much education as possible because he knew it is important to be educated. He has witnessed his parents’ lives as farmers, and he thought that was miserable. His dream has always been about getting out of the small village and becoming a city resident. His homeroom teacher ensured him the importance of education and pointed to him that getting a college education was the best way to get away from a farmer’s life. Qunhuan became excited about the whole idea of going to Fuzhong high school and then going to college. He went back home to share this exciting news with his parents. Qunhuan stated,

It was a shock to my mom. She expected me to go back home after middle school and to become an accountant in our village… Every village has only one accountant, who works at the office of the head of the village. It’s an honorable position in the village, and it pays rather well in the countryside… Generally, the monthly salary is around 500 yuan… Everybody in my village knows that I’m good with numbers, so the head of our village already promised my parents that he would offer me the accountant position if I went back… So you can see, it was a huge disappointment to my mom.
Fortunately, Qunhuan’s father was fine with the idea of sending him away for high school. Nevertheless, money was a huge issue for his family. His parents had some savings for family emergencies, and his father decided to take out the money to pay for Qunhuan’s high school education. “My mom thought my dad was going crazy. They had fights about it…” Qunhuan sadly recalled, “It was a mess. But, my dad finally got the money.” In the fall of 2004, Qunhuan went to Wuhu for his high school education, and become one step closer to going to college.

7.7.4 Search Stage

Although he decided to accept the offer from Fuzhong high school, Qunhuan was still not sure how far he could go on the path to college. After spending the whole summer break on contemplating the possibilities for his future, Qunhuan went to Fuzhong high school in the following fall and surprisingly found that everybody there was college-bound. Teachers constantly talked about college preparation in class, and his peers shared their college dreams with each other. Immersed in this kind of atmosphere, the college dream seemed not too distant and unreachable. Qunhuan realized that it was absolutely possible for him to go to college given his outstanding academic performance; however, he was not sure if he could actually afford a college education. Before he allowed himself to really dream about going to college, he thought he needed to have a talk with his parents regarding the financial issue given that the drama about him going to Fuzhong high school was just in the recent past. In the summer break of his freshman year in high school, he went back to his hometown. For the first time, Qunhuan sat down his parents and discussed with them the possibility for him to go to college. The tuition
and fees for the three years in Fuzhong high school were 4,800 yuan. The total expenses of room and board, books and supplies, and transportation were around 4,500 yuan per year. It meant that Qunhuan’s high school education would have exhausted his parents’ total saving of 18,000 yuan. Once again, Qunhuan’s mother was strongly against the idea of going to college. His father became reluctant as well when informed by Qunhuan of the average cost of college tuition and fees. After learning that his parents would not be able to pay for his college education, Qunhuan was overwhelmed by the huge disappointment and the fear that he might end up going back to the village after so many years of hard work. “I kept asking myself what’s the point to study hard.” Qunhuan recalled that difficult time, “I’ll just become a farmer like my parents and my life will be forever trapped by the inescapable rural poverty.” After a couple of weeks’ struggle, Qunhuan persuaded his father to go to the head of the village to talk about the possibility of a loan. Although Qunhuan decided to go to Fuzhong high school and consequently turned down the offer to be an account for the village, the head of the village still thought highly of Qunhuan. He promised to lend them money if Qunhuan made his way to college.

When Qunhuan returned to Wuhu for the second year of his high school, he felt obligated to work even harder, because he knew that he was shouldering the hope of his whole family. The ultimate motive for Qunhuan to be diligent in his studies was that he had witnessed his parents’ lives in the countryside and that was the kind of life he would not want for himself. Qunhuan explained his feelings,

I was very precocious. When I was little, I already decided that my dream was to get out of the village and settle down in the city, and to become one of the
pretentious city residents… Yes, pretentious. I don’t think they are better people than us, but they feel rather good about themselves. I actually like that kind of attitude… I worked really hard to get to Fuzhong. None of the city residents would understand how difficult it could be for a rural kid to get into a key high school in a city. But, I’m here, and I won’t stop here. I’ll fight all my way to college.

Qunhuan was ambitious about his college plan. His overall academic rank is right in the middle of his class. He knew that every year more than 50 percent of the graduates from Fuzhong went to national key universities. Therefore, he set his college goal on a key university in a metropolitan area, although he did not have a specific university in mind until his senior year.

Qunhuan did not do well in Chinese and English classes, but he was a star student in mathematics and physics. He won two championships in provincial level mathematics competitions in high school and joined the national Olympic mathematic team for several months. Therefore, in the spring semester of his senior year, he got a permission to take the early admission exams for Fudan University. He went to Shanghai to participate in the examinations. It was his first time to go out of Anhui province. The trip was a wonderful experience to him, and expanded his horizons. “Shanghai is such a beautiful, exotic, and awesome place to be.” He exclaimed, “After the trip, I knew I absolutely wanted to live my life there.” Unfortunately, he did not get the early admission to Fudan University. Although he performed pretty well in his math and physics exams, he failed terribly in the “gift demonstration” part. It was not a surprise to him because he had no experience with any of extracurricular activities, nor was he good at Chinese or English oral composition. It did not defeat his spirit though, when he returned to Wuhu, he began
to search for a national key university in Shanghai that suits his strong science background. After a month’s research, he set his goal on Shanghai Transportation University, whose naval architecture and ocean engineering, automatic control, and electronic engineering programs have high reputation in the nation.

7.7.5 Choice Stage

After his decision to make Shanghai Transportation University as his first choice, Qunhuan began to contemplate which program he wanted to major in. Although he liked mathematics very much, he did not think a math major would lead to a well-paid job. For Qunhuan who wished to go to the job market right after graduating from college, a good salary is the most important element when considering the undergraduate major. Qunhuan stated,

If I didn’t have to worry about paying the tuition, the only factor I would consider when choosing the major was the job market. I had to get a job with decent salary so that I could pay back my family, especially my brother… I owned him so much and money was the only thing I could give him to thank his sacrifice for my education.

As previously noted, Qunhuan has a brother who is four-year younger than him and was about to go to high school at the time when Qunhuan was graduating. This meant that Qunhuan’s brother would be in high school when Qunhuan went to college. Since high school is not a part of compulsory education in China, every high school charges tuition and fees. For a family like Qunhuan’s, it was impossible to pay for both his college education and his brother’s high school education at the same time. One of them had to make the sacrifice for the other. Qunhuan’s father finally decided to fully support Qunhuan to go to college, because he has gone so far on the path to college and
was very close to his goal. “My brother wasn’t very good in school, so he didn’t care too much about it.” Qunhuan said, “Nevertheless, I still feel guilty about the fact that he had to quit after middle school and went to do labor work in a city in the south.”

After serious consideration, Qunhuan chose material engineering as his major, which costed a third of the tuition for electronic engineering. The tuition for electronic engineering was 8,000 yuan per year at Shanghai Transportation University, which was nearly the total amount of his family’s annual income and thus it was just not a feasible choice.

Qunhuan successfully passed the national unified college entrance examinations in June 2006, and was admitted to his first choice college, Shanghai Transportation University in August. As promised, the head of the village loaned him 10,000 yuan for his first-year tuition and fees. Qunhuan was also hoping that because of his outstanding performance in science, he might be able to get a scholarship in college. Although Qunhuan was from a low-income family and was desperately in need of money, he knew nothing about financial aid and student loan.

Even after Qunhuan has already filled out the whole college application form, his parents still had no idea about which universities he was applying to. They did not know exactly what kind of university Shanghai Transportation University is. They consistently referred to it as “the university in Shanghai” and to them that was good enough. The admission to college has certainly brought them joy. They were so proud that Qunhuan was the first one in their village who was going to a “real” university; however, college
tuition and fees brought them also a huge financial burden. They did not even know if their family could survive or if Qunhuan could persist in college.
Chapter 8: Nancheng High School Students

8.1 Introduction

The senior class in Nancheng High School had 313 students, and class size averaged around 60 students. The majority of the class chosen for this study had working-class parents, with only seven students from peasant’s families. In this graduating class, 68 percent of the students directly went on to college, however, only nine percent of them went to four-year colleges and none of them attended out-of-province universities. The ten students interviewed for the study had a wide range of academic achievement, from A students to low-performing students. Among these ten students, six went to Anhui University, Anhui Normal University, Wuhu Mechanical College, Wuhu Normal College (2), and Wuhu Traditional Medicine College. One student interviewed for the study did not get accepted into any college but decided to repeat the senior year in high school. The other three students decided not to continue their education beyond high school.

Zhang Huifeng

8.2.1 Family Background

Huifeng’s father has a high school diploma, and is working as a mechanic at Wuhu machinery factory. His mother is working at the same factory as a machine operator, with only elementary education. They are living in the suburbss. The house they are currently staying in is about to be torn down by the government in order to build a new apartment complex. However, the whole process is taking a long time, three years up
to the interview time. The house is very small and shared by three families. Zhang Huifeng’s family has two rooms, and shares a bathroom with another family on the second floor. Some of the houses in the neighborhood have already been torn down, so the whole community looks like a construction site, covered in mud and dust.

### 8.2.2 Early Influence Stage

Huifeng did not recall any early educational experience at home except that his parents taught him to count from one to a hundred before he was going to elementary school. Nevertheless, he liked school and did fine in elementary school. Huifeng’s parents had rules about doing homework before he could watch television or play with other children. They usually looked through his homework and checked and made sure that he had actually done the work. “We didn’t really think of a college education at that time.” His father said, “We just wanted him to do well in school. Everybody knows that education is important. So, we want him to receive as much education as he can.”

Unfortunately, after graduating from elementary school, Huifeng did not win the lottery to the key middle school, Fuzhong. A close friend of his father told them that they could pay an extra amount of 5,000 yuan per semester to get Huifeng in Fuzhong. Although they were very hesitant about the choice because it was a large amount of money that was more than two months of his parents’ combined salaries, Huifeng’s parents still went to Fuzhong to talk to the person in charge. They were put on a waiting list. After one month’s waiting, they were officially informed that the admission quota was full and Huifeng did not get in. Huifeng’s parents had no idea that besides the money, they had to get in contact with those people who were in charge or to have some sort of
inside connection. When they found it out, it was too late. So, Huifeng ended up going to an ordinary middle school in their community, and gradually trailed far behind those who went to the key middle school.

8.2.3 Predisposition Stage

Huifeng is a self-motivated student. Although he was disappointed at the fact that he did not get going to Fuzhong middle school, he continued to study hard and mainly received “A’s” for his schoolwork. Therefore, it really puzzled him that although he was one of the best students in his middle school, he still missed the admission score to Fuzhong high school by ten points. “I don’t understand.” Huifeng said, “I did all the homework. I did well in every test in school. I was really serious about my achievement, and so were my parents… I performed normally in the high school entrance examinations, but I still failed to get into Fuzhong… I was really wondering what kind of people could get in.”

At that time, Fuzhong had a policy that within 30 points below the cutting-off score, students could buy into Fuzhong high school by paying an extra amount of 7,000 yuan fees per semester. This additional charge and the normal tuition and fees added up to the shocking number of 8,500 yuan per semester for a high school education. Although Huifeng’s parents had enough savings to pay for the total expenses, they did not think a high school education was worth it. Huifeng’s father said, “We talked to Huifeng about this issue. We asked him if he wanted to go to college one day. He said yes. So, we said, ‘Well, then we had to save the money for your college education.’” Huifeng’s parents believed that if Huifeng continued to perform well in high school, he would be able to go
to college even though he was not in a key high school. Huifeng doubted this point. His experience in the high school entrance examination scared him. He became to suspect the chance for him to go to college if he could not go to a key high school, and desired to go to Fuzhong. However, he did not know how to deal with the financial barrier his family was facing.

I guess I could insist on going to Fuzhong. They probably would let me. I’m sure I’d be able to go to college if I went to Fuzhong… Fuzhong has almost a hundred percent college enrollment rate… I knew it because it was published in Wuhu Daily every year… But the question is, how could we pay for my college education if we had already used up all the savings? So, I came to Nancheng. I don’t think I had a choice.

In the end, Huifeng went to Nancheng high school and decided to devote himself to hard work in order to go to college. He even quit playing soccer after class, which was his only hobby. He did not visit the bookstore on a regular basis and went there only when there were some supplementary textbooks or examination excises books he wanted to get. He did not read for fun. Both his parents and he thought that extracurricular reading would distract his attention from his study, so their family did not subscribe to any magazines or newspapers. He sometimes watched television for entertainment. “But it was only during the weekend.” His father said, “We wanted him to spend one hundred percent of his time on studying to secure the opportunity to go to college.”

8.2.4 Search Stage

Huifeng had determined to go to college ever since the moment he decided to come to Nancheng high school and saved the money for his college education. Nevertheless, not until in senior year did he began to think seriously about his college
choices. He wanted to go to a 4-year institution, which he referred to as “a real university”. His parents thought that he was too ambitious about his college plan, and suggested him to start with a 2-year community college. His father said,

"We know that people with an associate degree earn a whole lot more than people with only a high school diploma. But, there is no big difference (in salary) between an associate degree and a Bachelor’s degree… And, it takes only two years (to earn an associate degree), so we think it is a better choice.

Moreover, Huifeng’s parents were also concerned that a 4-year university would cost too much and they would have to borrow to pay for Huifeng’s college education. “We are not comfortable with taking a loan. We never borrow money from other people.” Huifeng’s father indicated. Regarding the college cost, Huifeng thought of doing some part-time work while enrolled in college or taking some summer job to help with paying for the tuition and fees. He also learnt about the student loan from the daughter of his neighbor, who went to a 4-year college two years ago and took a loan from the government. Huifeng did not know about it in detail yet, but he thought that when the moment came, he would go over to his neighbor to ask about it.

Huifeng stopped communicating his thoughts about colleges with his parents when he learnt that they preferred a community college to a 4-year institution. “I know they are worried about money.” Huifeng said, “I just need them to pay for the first two year’s costs. After that, I’d come up with something, a loan or a part-time job.” Huifeng turned to his homeroom teacher to seek for information about different 4-year institutions in Anhui province. The teacher recommended three universities to him. Two of them are located in Hefei, the capital of Anhui province. One is Anhui University, and the other is
Anhui University of Technology. The third one is Anhui Normal University, which is located in Wuhu. Huifeng ruled out Anhui Normal University immediately because he did not want to become a teacher and he also did not want to stay in Wuhu for college. “I want to get away from my parents.” Huifeng admitted, “They’re too strict with me, and sometimes make me depressed. I want to go somewhere else for college, but not too far from home. So, Hefei is a good place to go.”

During the same period of time, Huifeng’s parents also asked around about choices for community colleges in Wuhu. They found out that Wuhu Mechanical Engineering College is relatively good among all the community colleges in Wuhu and that its graduates have an easy access to technician positions in a lot of factories in Wuhu. “I asked several engineers I worked with in my factory. Two of them graduated from Wuhu Mechanical Engineering College. So, I thought this could be a good choice for Huifeng.” Huifeng’s father said.

Therefore, Huifeng and his parents had different college choices in mind until the last moment when Huifeng was filing out his college application form.

8.2.5 Choice Stage

Huifeng’s parents finally gave in and decided to support Huifeng’s choice of college. “We didn’t think he would get into a 4-year institution, so we said ‘Well, if you could get an admission (to a 4-year college), we’d support you’.”

Huifeng was not sure of his academic skills and was not clear about his career interests, he therefore had no idea which program he wanted to major in. He actually did not care about his college major. All he was concerned was to get to a 4-year institution.
Although Huifeng was one of the best students in his class, he was clearly aware of the fact that the percentage of students in his high school going to 4-year institutions was very low and he had this fear that the nightmare he had with the high school entrance examination would repeat. Therefore, to secure his chance to get into one, he thought of applying for programs in agriculture, a department that very few students would like to go as their first choice. Once again, his parents disagreed with him on this idea. This time, they had very strong opinions. They would like him to major in mechanical engineering. They knew how much technicians working at their factory got paid. They thought that was a decent salary, and they wanted Huifeng to be able to work as a technician and to have much less financial stress that they have been experiencing. They emphasized that this was the whole point for them to pay for Huifeng’s high school and to continue to support his college education. They would not let him to choose agriculture as a major, even if it would mean to deprive him of the only chance to go to a 4-year university. To them, there was not much difference between a bachelor’s degree and an associate degree. The most important thing was to be able to get a well-paid job after graduation. Prestige of universities was the last thing they could care. Because of his parents’ strong opinions about the choice for his major, Huifeng finally chose mechanical engineering for his preferred undergraduate program.

Fortunately, Huifeng performed exceedingly well in the national college entrance examinations, and became one of the ten students at Nancheng high school who were admitted to a 4-year institution in 2006. Huifeng is now a freshman in Anhui University.
8.3.1 Family Background

Manyue’s father is a middle school graduate. He used to work at the largest nation-owned textile mill in Wuhu, but got laid off in the mid 1990s when the factory was carrying out a reform and trying to cut back on the expenses by laying off all the employees without a high school diploma. He is now working for a small hardware factory. Her mother used to work in the same textile mill as her father did, and got laid off around the same time. She is now staying at home and taking care of her own parents. Her mother’s siblings therefore pay her a small amount of cash every month for being the primary caregiver to their parents. The total family income per month is about 1,000 yuan.

They are living in the suburbss. It is a very old-style apartment building. It only has two restrooms on both ends of the corridor, which are shared by eight families. Manyue’s family has two rooms. One is her parents’ bedroom. The other one is used as living room, dining room, and Manyue’s bedroom.

8.3.2 Early Influence Stage

Before going to elementary school, Manyue spent most of her time at her grandparents’ place. Because her parents were both working outside the home and could not take care of her, they dropped her at her grandparents’ place in the morning and picked her up at night. The only thing Manyue could recall for that period of time was that her grandparents often told the best stories.
Manyue’s father indicated that his wife and he both cared about Manyue’s education a lot and their family began to save for Manyue’s education from the very beginning.

We didn’t send her to a kindergarten or preschool because there were no good ones in our community and kids didn’t learn much there. So, we thought why don’t we just let her grandparents take care of her and save the money for later… I sometimes taught her some Chinese characters at night. That was about it… I didn’t want to force her to study too early and made her lose the interest to learn even before going to school.

However, Manyue never really showed any interest to learn. She said “I’ve hated school since I was little.” She recalled that in the first few days in elementary school, she cried all day at school and sometimes the teacher had to order her to stop. “The teacher threatened to throw me out of the classroom if I continued crying. And, I just couldn’t stop myself.” It took her a couple of months to slowly adjust to the school environment.

Manyue began having some problems with math in first grade. “I’ve never been very strong in math. It’s just a bad subject for me,” she indicated. Manyue said her father sometimes tried to get involved helping her with math homework, and they would argue about it.

We’ve had a lot of arguments about that because I’d try to do it one way and try to figure it out, and he’d come in and try to tell me another way to do it. That wouldn’t work at all and he insisted it was right and we just had a lot of fights over it. I gave up after a while, and simply copied what he said.

Other than math, Manyue was doing fine in elementary school. She was about the average in class. In her spare time, she liked to read storybooks. She used to borrow them from her classmates, and “I’d just sit there and read for hours to finish one story.” Her parents were fine with her extracurricular readings until the last year of her elementary
school. She got caught reading storybooks in the math class for several times. Her homeroom teacher reported them to her parents. At home, her parents also caught her covering her storybooks with her math textbook and pretending to study but actually reading the storybook. “I got really angry at her.” Her father said, “I told her that if I ever found any non-textbooks at home, I’d tear them apart. I know she borrowed them from her classmates, so she had to use her pocket money to pay them back… She knew I was not just saying it, I’d actually do it, so she stopped.”

After elementary school, Manyue went to an ordinary middle school in her community. Her early school experiences were not happy, but her life in middle school became even more miserable.

8.3.3 Predisposition Stage

Like other students I interviewed in Nancheng high school, Manyue did not win the lottery to any key middle school, nor could her family buy her into it after she graduated from elementary school. The extra 5,000 yuan tuition per semester was simply too high for her family to afford. Therefore, her parents sent her to the ordinary middle school in their community, which cost nothing other than about a hundred yuan per year for textbooks. Manyue began to have more problems with schooling about the time she started middle school. Her father was not sure of the reasons.

In elementary school, she was doing fine except for math. She was not the top of class, but fine. Middle school became much more difficult. Besides math, she did poorly in physics and chemistry, too. Her grades began to slip; sometimes she got an F for her math or other science classes… Even the composition class that she used to be good at became so-so… I don’t know, maybe lack of motivation, lack of interest.
Manyue’s parents became really worried about her schoolwork. In the second year of middle school, her parents started to send her to her own math teacher’s home for math tutoring during the weekend. It cost her parents 200 per month yuan, 20 percent of their family income. However, Manyue did not think it was helpful.

Basically, my teacher just repeated what he’s said in class. It didn’t make sense in class, and it didn’t help when he explained it for the second time… I don’t know where the problem is. Maybe I just don’t have the talent in math or science.

Upon graduating from middle school, Manyue was faced with two choices: going to a vocational school or going to an ordinary high school. On one hand, she did not want to go to a vocational school, because she did not know what was her interest and could not pick a specialization. As Manyue put it, “I couldn’t decide which program to go and tell myself with confidence that ‘This is it. This is what I want to do for my life’.” On the other hand, she was not sure if she could handle the coursework in high school because she has already been struggling a lot in middle school. It was her father that insisted she should go to an ordinary high school. Her father did not have a clear college plan for Manyue yet at that time; however, he thought that she should at least obtain a high school diploma and keep the option of going on to college open. Therefore, in Manyue’s case, although she did not develop an aspiration in middle school to attend college, because of her father’s insistence, she chose an ordinary high school over a vocational secondary school to keep the chance for a college education open.

Because her family was living in the suburbs, the middle school in her community was poorly equipped in terms of facilities and teachers. In the high school entrance examinations, only the top one student passed the admission score to Fuzhong high
school. Most students went to the vocational school. Manyue was not good with any test. In the high school entrance examinations she did not pass the admission score of Nancheng high school, which was the only ordinary high school in the community. Since her father made the decision for her to go on to an ordinary high school, Manyue’s family had to pay an extra amount of 2,000 yuan per year to get her study in Nancheng high school.

8.3.4 Search Stage

Although Manyue sometimes had fights with her parents over schoolwork, she still understood and appreciated how much her parents had sacrificed for her education. She indicated that for years, her parents had never bought any new clothes for themselves and never gone out for dinner or any entertainment. They saved every penny they earned to pay for her education. She always felt guilty for not being a good student. She tried very hard and did not understand why she could not succeed in school.

Manyue’s parents usually went out to play mahjong with neighbors to relax after work. Manyue indicated that her parents were very concerned about her study, so they never invited any friend to come over to play mahjong. They always went to other people’s places and left a quiet room for her to work on her schoolwork. Sometimes she found it difficult to control herself when her parents were away. Her mind sometimes just drifted off to other things, such as a TV drama. She very carefully controlled herself not to spend too much time on reading books other than textbooks. She was proud of herself for being disciplined since starting high school and never wasting time on any “irrelevant” reading materials. Nevertheless, very often when she was studying and
encountering something she did not understand, she had nobody to talk to and she got
stuck and could not move on. “My life continued to be miserable in high school.”
Manyue whined, “I can’t wait until the day when I don’t have to study.”

In the sophomore year in high school, every student has to make a decision
between two different tracks: the science track or the arts and humanities track.
Manyue’s father planned everything for her. He decided that Manyue should choose
science not humanities as her major despite that she did poorly with all science subjects
and had no interest in them at all. He reasoned that because there were more colleges and
programs in science than in humanities, there would be a better chance for his daughter to
get into college if she chose the science track. In fact, he was right about that. Generally,
the science track has a higher college enrollment rate than the arts and humanities track.
Manyue was fine with her father’s decision. “I’m not good at history and politics, either,
so I don’t really care.” Manyue said, “My parents talked to me about college for a couple
of time in the first two years of high school. I wasn’t very excited about the idea of going
to college, so they didn’t mention that very often. But I guess my dad never gave up the
idea for me to go to college.”

Manyue’s father played a major role in her college decision-making process. He
actually somehow decided the college and major for her. Manyue did not think about
which college she should apply to until the last semester of her senior year when her
homeroom teacher asked the whole class to think about this issue. Manyue told her father
about it and surrendered the decision to her father immediately and completely. Her
father began to ask around in his co-workers, and got two colleges for his daughter to
pick. One was Wuhu Traditional Chinese Medicine College, and the other was Wuhu Mechanical Engineering College. Both are 2-year community colleges. Given Manyue’s low academic achievement, she and her parents never thought a 4-year university could be a possible choice.

8.3.5 Choice Stage

In the early June of 2006, Manyue participated in the national unified college entrance examinations. Unfortunately, she failed again, and her total achievement score did not reach any admission score of any college. Consequently, she was turned down by both Wuhu Mechanical Engineering College and Wuhu Traditional Chinese Medicine College. Because of his own negative experiences with lack of adequate education, Manyue’s father placed a great importance on a college education. Although disappointed at her achievement in the college entrance examinations, he still encouraged Manyue to repeat the senior year of high school and to try again the next year. Manyue had no choice but to accept her father’s arrangement. She is now repeating the senior year at Nancheng high school.

Manyue’s father was also very aware that his own educational level limited his ability to help his daughter with her study. To compensate for that, he decided that he would give his daughter full financial support. He was trying to quit smoking in order to save a bit more money because of the unexpected cost from his daughter having to repeat the senior year of high school. Manyue’s parents have almost exhausted their savings to pay for all of her educational expenses these years. Her father did not know about financial aid. He mistook financial aid for merit-based scholarship, and thought that his
daughter’s academic performance was not good enough to earn any scholarship. Her father said that they probably had to borrow from relatives or friends to pay for Manyue’s college education if she could make it to college next year.

Huang Xiaomin

8.4.1 Family Background

Xiaomin’s father is a high school graduate and working as a boilermaker at Wuhu steel factory. Her mother has only elementary school education. She used to be a farmer, and recently moved to the city. She is now a part-time housekeeper. Xiaomin grew up in the countryside with her mother until she graduated from middle school. When she turned 17 years old, her father brought her to the city in order to send her to high school, and lately moved the whole family to the city. Xiaomin has a younger brother who has mental disabilities and did not finish his elementary education.

They were living in a poor community in the suburbs of Wuhu. They only had two small rooms in a two-story house, and shared a kitchen and a bathroom with other three families. Xiaomin’s father made a small loft for her on the roof. The loft was tiny and could only contain one small bed. Xiaomin usually studied in the living room, which was also used as her brother’s bedroom.

8.4.2 Early Influence Stage

Like most children in the countryside, Xiaomin did not have any kindergarten or preschool experiences. Before going to elementary school, she spent most of her time
helping her mother with household chores, doing some simple work in the field, and
taking care of her brother who is two years younger.

Xiaomin’s parents have been separated since the beginning of their marriage, and
were not united until recently. Her father worked in the steel factory in the suburbs, and
came back home every two weeks. Her mother stayed in the village, taking care of the
farm and two kids. Xiaomin did not go to elementary school until she turned eight. Her
mother was simply too busy with farming and housework, and did not notice that
Xiaomin has reached the school age. Therefore, Xiaomin went to school at a slightly
older age than other kids.

Xiaomin was a well-behaved and cheerful student with a positive attitude to life.
Although she started school a bit late and did not receive any early education at home,
she did fine in elementary school.

A lot of kids in my class had already achieved a higher level and knew how to
write their names and count numbers. I knew nothing, and I’m older than most of
them. So, I tried to make friends with them and study with them, just kind of
absorbing what they were doing… School was fun. It’s definitely more exciting
than working in the field, feeding pigs, and making meals… I still had to do most
of the work at home, but school was a good place to escape, so I liked it a lot.

As mentioned before, Xiaomin’s brother has mental disabilities. He went to the
same elementary school a year later but could not keep up with the class. He had to repeat
first and second grades. The teacher lost patience with him and suggested her parents to
take him out of school. Her brother never received any formal or informal education
since then, and has been helping her mother with farming. In contrast, Xiaomin
successfully passed the middle school entrance examinations and went to the neighboring village for middle school.

**8.4.3 Predisposition Stage**

As a girl growing up in the countryside, Xiaomin was among the fortunate ones and she was very aware of it. Although her parents could not help her with her homework, they encouraged her to get an education. Grateful for her parents’ supportive attitude towards her education, Xiaomin studied very hard in school and was one of the best students in her class in middle school. Her score in the high school entrance examinations passed the admission point of the high school in the nearest county seat. Xiaomin was very excited about it and was ready to go. In the following weekend, her father came back home and learnt the news that she did quite well in the entrance examinations. Given that the quality of teaching in the village’s middle school was significantly lower than the schools in the county seat or in the city, her father was surprised that she could pass the admission score. For the first time, her father sat her down and asked her: “Do you want to go to college?” Although Xiaomin has been working hard in school, she never really thought of what she was trying to achieve. Nevertheless, she was so excited about the very word “college” and she jumped and responded to her father with a firm “Yes”. A month later, her father came back with the news that shocked everyone in the family – He would bring Xiaomin to the city for high school.

Honestly, I’ve never paid much attention to my daughter’s education. I knew she was smart and diligent, but because she is a girl, I didn’t really expect her to achieve anything… But at that moment, I suddenly realized that she might have a
chance to go to college and therefore completely change her life. So, I thought I had to help her.

Nancheng high school was in the community where her father’s factory was located. Her father went to the admission office at Nancheng with Xiaomin’s academic performance reports from middle school and her score in the high school entrance examinations to see if they would admit Xiaomin. The admission administrator approved of Xiaomin’s academic achievement. However, since Xiaomin does not have the city residence certificate, Nancheng school would charge them an extra amount of 3,000 yuan every year in addition to tuition and fees. Her father agreed to pay all the additional expenses and went back to the countryside to announce the big news.

In the fall of 2003, Xiaomin came to the city of Wuhu for her high school education. It was an eye-opening experience for her. Even though Nancheng high school is only an ordinary school, it is still much better than what she has seen in the countryside.

My village does not have its own high school. Middle school graduates from my village have to walk five kilometers everyday to the nearest county seat for high school… no school bus or anything like that… You have to leave home at five in the morning, and get back home eight at night… Still, the high school has nothing to compare with Nancheng… I’m really lucky to be here, and I promise myself I’ll make as much use of it as I can.

8.4.4 Search Stage

Because of her positive attitude and high motivation to study, Xiaomin has been among the top in her class in high school. Generally, her peers from the city often figured that they were in an average high school with a low enrollment rate to college and
therefore did not bother to study hard. In contrast, Xiaomin felt she was among the privileged few who could make it from a small village to the second largest city in her province and get the chance to study in a city high school. She very much appreciated the opportunity and believed that once being in the city, a college education was not something impossible.

In her second year of high school, one of her neighbors’ daughter went to a normal college in another city in Anhui province. They began to talk about college life when they ran into each other in the public kitchen shared by their families. Xiaomin began to search for information about different colleges and universities in Anhui. After a lot of research, she set her heart at Anhui University, a provincial key university located in the capital city, Hefei.

I know I’m ambitious. But, I thought I have come to Wuhu from a small village for high school. I could as well go to the capital city to attend the college. Who knows, from my experiences, everything is possible.

Xiaomin wanted to major in marketing and dreamed of finding a well-paid job in business after graduation. “I worked even harder in the next two years in high school,” Xiaomin said, “I never had any spare time. I was always studying, studying, and studying…”

8.4.5 Choice Stage

In the last semester of high school, Xiaomin was satisfied with her academic performance and quite confident that she would be able to achieve her ideal college choice – Anhui University. She did not talk to her parents about her ideas, because she thought they had no experiences about college application and probably would have no
knowledge about which university would be good for her, either. But, she still wanted to
talk to someone about her plan just to make sure it was reasonable. “So, I decided to go to
talk to my homeroom teacher, although I hated to talk to the teacher after class…
somehow it’s just so intimidating.” The conversation she had with her homeroom teacher
disappointed her at the beginning. For the first time, Xiaomin realized that academic
achievement could get one into a college, but he/she still had to have the financial ability
to pay for it. She learnt from the teacher that the business school usually charges much
higher tuition than other departments. “It was a huge disappointment,” she said, “I knew
instantly that I had to change my choice, at least for the major”. She was very aware of
her family’s financial situation and knew for sure that there was no way for her family to
afford more than 5, 000 yuan for tuition every year, which was almost half of her
family’s annual income.

Her teacher understood the financial difficulty that her family was facing. He told
her that normal colleges and universities usually charge relatively low tuition and even
provide monthly subsidies to students. He recommended Anhui Normal University to
Xiaomin. “My teacher said it’s a good university, too. And, it also has a business
department but charges lower tuition because after all it’s a normal university. So, I
decided to stick to my preference for major, but change my college choice.”

Money was definitely a concern in Xiaomin’s college decision-making. She
knew that her parents did not have much savings and they also had to take care of her
brother financially. So, apparently going to a normal college was the best choice for her
family, if it was not for her. Her parents were completely absent in her college choice
process. She mentioned it once to her parents, and her parents were fine with whatever she had decided. “I believe she has the ability to decide whatever is the best for her,” Xiaomin’s father said, “My job was to give her the chance to receive a high school education in the city. Now her fate is totally up to herself.”

Xiaomin successfully passed the national college entrance examinations, and became a freshman in business at Anhui Normal University in the fall 2006.

**Xie ErPing**

8.5.1 Family Background

Xie Erping’s father is a graduate from Wuhu vocational secondary school. He used to work as an assistant chef at Wuhu textile factory. Erping’s mother is a middle school graduate, and used to be a worker at the same textile factory. In the mid 90s, both of Erping’s parents were laid off when the factory was carrying out a reform to cut off the production expenses. Xie Erping’s family is now running a food stand in their neighborhood. His parents do everything from ordering meat and vegetables, to selling, cooking, and cleaning dishes. They usually work more than 14 hours per day, covering food for breakfast, lunch, and dinner.

8.5.2 Early Influence Stage

Erping did not have any experiences with kindergarten. His grandparents had been taking care of him until the year when he was sent to a preschool. Erping did not remember much from that period of time. “Nothing serious.” He recalled, “just playing with other kids.” He did not learn how to read or write before elementary school. The two
Chinese characters for his first name are very simple, but not the character for his last
name. Erping told me as a joke that he could not write his last name on his homework
assignments for a long time, so the teachers had to call him without his last name, which
is very awkward in the Chinese culture.

In his second year in elementary school, Erping’s parents both lost their jobs. The
family went through a very difficult time. After the first emotional wave of shock,
sadness, and anger, his parents began to look for new jobs. According to Erping, his
father had been a janitor, and his mother had been a cleaning lady. However, since
neither of them had a fixed income and both of their salaries were very low, they could
hardly support the family. A year later, they got this idea of opening a food stand.
Erping’s family was living in a two-bedroom apartment on the ground floor. Their
balcony was facing to the main street in their neighborhood. Thus, they had their balcony
and living room reconstructed into a small food stand. During the two months of
renovation, Erping had to stay with his grandparents. Erping recalled that he began to
play truant from that time.

My grandparents didn’t set any ground rules for homework. They didn’t even
know if I went to school or not. I’d sometimes go somewhere with other kids
during the school day, and they never found out… I don’t think the teachers
cared. And at that time my family didn’t have a telephone, so getting in contact
with my parents was not easy for the teacher anyway.

According to Erping, his academic performance was always below the average.
His parents’ bottom line for his achievement was that he should not fail any subject and
should not repeat a grade. “I don’t like school.” Erping said, “But I still tried. I almost
never failed any test in elementary school.” Erping’s parents think that Erping is not “a
school material”. Erping’s mother said,

He didn’t like to study. We didn’t have any rules for him… I think a kid would
study hard if he wanted to, and he wouldn’t need any supervision. My son doesn’t
like school, and we don’t think he would be a better student if we’ve pushed him.
Since Erping’s parents opened the food stand, they have been completely
occupied by the business. Generally, they had to get up at four in the morning to start the
preparation, and busied themselves with providing breakfast, lunch, and dinner through
the whole day until ten at night. They did not have any weekends and holidays. Because
of the intense work, Erping’s parents had no time or energy to care about his study.
Sometimes the food stand was so noisy at night that Erping could not concentrate on
finishing his homework. Oftentimes he would take his homework to his classmates’
home in order to finish the assignments, but ended up spending the whole night playing
video games somewhere on his way. Sometimes when his parents were too busy, Erping
had to help with washing vegetables and dishes.

8.5.3 Predisposition Stage

In middle school, Erping’s grades began to drop dramatically. He continued to go
to school, but mainly wanted to hang out with his friends. Erping said, “I wasn’t really
interested in doing the work. I just wanted to pass it and get it over with.” However, upon
the graduation, Erping chose to go on to an ordinary high school. He had a big fight with
his parents over where he should go for school. His parents wanted him to go to his
father’s alma mater, Wuhu vocational secondary school, and to take cooking as his
specialization. The business of the food stand was getting better, and Erping’s parents felt
that they could not handle all the business by themselves but they did not want to hire
help. They wanted Erping to get a certificate in cooking and help with their business.

However, that was not what Erping wanted for his life.

I hate the food stand. It smells, and it’s so greasy… They never had any weekends or holidays, because during weekends and holidays business was always better… They worked more than 14 hours a day, but made very little money, so little that they had to do everything themselves and couldn’t hire help… I don’t want to spend my life like that.

Although Erping was very clear about what he did not want to do, he was not sure what really interested him, either. Vocational secondary schools require students to indicate the specific vocation they want to major in when they are applying. For this simple reason, Erping went to an ordinary high school so that he would have three more years to think about what he is interested in and willing to pursue in his life.

8.5.4 Choice Stage

Finally, Erping went to Nancheng high school. He continued to do inadequate work in school, and could hardly catch up with the class. Students who are at risk for academic problems and failure are not new to faculty at Nancheng high school. Their expectations for students are that they graduate from high school so that the school can keep its hundred percent graduation rate. “I don’t think the teachers cared. As long as I didn’t fight with anyone and could pass the test, they’d leave me alone.”

Erping never thought a college education could be an option for him. His parents never discussed a possibility for a college education with him. Although teachers sometimes encouraged them to study hard in order to prepare themselves for the college entrance examinations, Erping did not feel that was something relevant to his life. “Teachers were really just talking to those good students.” He said, “Not to someone like
me. Plus, even those good students probably wouldn’t be able to get into college. You know, we are in a pretty bad school.” So he did not even bother to think about it. His parents wanted him to help them with the food stand after he graduated from high school. However, he had no interest in their suggestion. Instead, he preferred to be a construction worker. He commented,

I want to become a construction worker. It’s manly…and I can at least learn some skills. That might be helpful and bring me some other chance in the future.

When asked if going to vocational schools would be more helpful given that those schools provide professional training for some construction work, he admitted that it would be, but “nobody told me about it” before he made his choice to go to high school.

Erping did not find any job after he graduated from high school. Unfortunately, despite his strong dislike of the food stand, he is currently helping his parents with their business.

Lin Congbo

8.6.1 Family Background

Congbo’s parents are both farmers, and both have middle school education. Congbo has an elder sister who is two years older, and who is also a middle school graduate. They are all living in the countryside 40 kilometers away from Wuhu. The family income is around 20,000 yuan a year. Congbo has lived with his uncle in Wuhu city for three years in high school.

8.6.2 Early Influence Stage
Congbo lived a typical life for a child born in the countryside. He began to help his parents feed pigs, hens, and ducks when he was four. He started to work in the field when he turned to seven. Oftentimes he accompanied his mother to the county seat during the weekend to sell eggs and some fresh vegetables. Congbo did not receive any early education at home nor did he have any preschool experiences.

Congbo went to elementary school in his village at age seven. His village was a rather large village in that area, therefore it had relatively better school facilities. The school had a two-story building and a small playground. The elementary school occupied the first floor, and the second floor was for middle school. The school had ten teachers altogether. Quite a few children in the neighboring villages also came to this school for their middle school education. Congbo liked school in general, and did fine with schoolwork.

I was not a star student in any class, but I did fine with every subject… My parents didn’t have any rules for homework… I went to school with my sister, and came back home with her. She kind of supervised me, making sure I was not hanging out with other kids after school but going back home immediately, and I was doing my homework…

Congbo never had any difficulties with reading, but did not really enjoy it, either. His family did not subscribe to any magazines or newspapers. When asked, he laughed and said, “The postman comes to the village only once per week”, and indicated that people use the post office only for really important things, “like someone died or got a college admission or something.”

8.6.3 Predisposition Stage
Congbo did not give a thought to his future until middle school when his father brought up the topic. “My dad asked me what I wanted to do when I’ve grown up, and I said ‘I don’t know.’” Congbo’s father then explained his plan for him. His father wanted him to finish high school and then join the army. It was the first time that Congbo’s father expressed his expectation for Congbo’s education and his future. It was also the first time that Congbo began to contemplate on what he wanted to do in the future.

From the mid 90s when Congbo was in elementary school, more and more young people in his village went to the city to become a migrant worker. According to Congbo, almost every family in the village had at least one member who became a migrant worker in the city. They toiled mostly on the construction sites in the urban areas, working long hours every day but being paid very little, usually around twenty Chinese yuan per day. Many of them had very bad experiences working in the urban areas. Some of them never got paid for the work they did for their temporary bosses, who often ran away with their salaries after having finished one project. They were often treated as second-class citizens in the city, where locals looked down upon them and government officials frequently harassed them for not being able to get a working permit. Because most of the peasant workers had no official working contract, no insurance, and no benefits, all sorts of tragedies happened to them. One of Congbo’s relatives lost his left leg in the construction work. He not only did not get any insurance coverage from the company, but also was denied half a year’s salary. Congbo commented:

It was too sad…His family spent a lot of money on his medical treatment. He survived, but his family was broke. And now, he is handicapped. A handicapped man is totally useless in the countryside. Every time I saw him, I just felt life was
so miserable…If he died in the construction site, maybe his family would be able to get some money. Both he and his family would be better off that way.

Congbo decided that he would never become a peasant worker and live his life on the edge. His parents did not want him to take that kind of risk, either. His father had a strong opinion that Congbo should not spend his whole life in the countryside and just be a farmer, and conveyed his thoughts to Congbo. “My dad felt his life was kind of wasted, so he had a huge hope for me. He wanted me to become a city resident…” Congbo said, “In the countryside, you need to work really hard in the field, but still can barely afford the basic living…” Although Congbo’s parents wanted him to get rid of a village life amidst wheat and paddy fields, they did not expect him to go to college. Congbo did not see a college education was a possibility for him, either. He thought that “only the smartest kid in a village could go to college”. Since he thought himself an average student, he did not have the ambition for a college education. According to Congbo, people in the countryside all know that there are only three ways to move to the city. The first choice is to go to college. The second choice is to become a migrant worker. The third choice is to join the army. Since he ruled out the first two choices, he was left with the only way out – joining the army.

8.6.4 Choice Stage

Although for a rural youth, fighting his/her way to college is unspeakably difficult, it is not very easy to go to the military, either. First of all, one has to have a high school diploma to be recruited into the army. Moreover, there is a quota for recruitment each year. Generally, a city gets a larger recruitment quota, and the county and its
villages are assigned a relatively smaller one. From the discussions with his uncle, Congbo’s father learnt that most city residents do not want to send their children to the army, because the military life can be hard and the salary is quite low. Therefore, Congbo’s father got this idea to send Congbo to the city for high school so that he could be easily recruited to the military from a city high school. Congbo’s father consulted with his brother who is a taxi driver in Wuhu, and decided that Congbo should go to Wuhu for his high school education.

As a taxi driver, Congbo’s uncle had a good network to get Congbo in Nancheng high school. Nevertheless, Congbo’s parents had to pay an extra amount of 3,000 yuan per year in addition to tuition and fees because Congbo was not a city resident. The total cost of Congbo’s high school education was about 25,000 yuan.

Congbo’s academic performance in high school was about average. If he participated in the national unified college entrance examinations and submitted his application, he would have a chance to go to a two-year college. However, when asked if he had ever considered a college education as an option, Congbo responded that the idea never occurred to him. Nobody in his family had any college experience. Even his cousin – his uncle’s son who was born and raised in the city – did not make it to college. So, Congbo never thought college was an option to him. Moreover, his family has already spent a significant amount of money on his high school education and living expenses in the city, thus he did not think his parents would be able to pay for his college education anyway. Congbo had no knowledge about the financial aid system. At the end of June, Congbo got his high school diploma, and went to the army as he wished to.
Chapter 9: Cross Case Analysis

9.1 Early Influence Stage

According to cultural capital theory, children from higher socioeconomic background are born into home environment in which they are exposed to societally-valued knowledge and cultural cues much earlier than children from lower social strata (Bourdieu, 1977a; Bourdieu & Passeron, 1977). Therefore, children from families of higher socioeconomic status (SES) already possess more cultural goods and media, such as works of art and instrument, and also develop the ability to understand and appreciate those cultural goods by the time they enter school than do children from families of lower SES. More importantly, the educational system that values certain types of cultural dispositions cannot reduce or eliminate the initial differences in cultural capital. Instead, the school reinforces the initial differences. Students from higher social strata who have more valuable cultural capital to begin with thus do better than their peers with less valuable cultural capital.

The research on the importance of early childhood education also confirms that the earlier children are exposed to language, the better their long-term academic achievement will be. Researchers (Fisch, Smith & Phinney, 1997; Tokuhama-Espinosa, 2001) point out that from what we’ve learnt about children and their brain development, there are critical windows of opportunity for children to learn language that unlock learning puzzles in their future. The family environment and exposure to language are the biggest factors in cognitive development, which translate into achievement success in later years.
From the interviews with students from different family background, we can see a clear pattern for the early childhood family education. All of the students from middle-class families received some kind of education from their parents before going to elementary school. Generally, the parents place an emphasis on teaching Chinese characters and developing their children’s reading abilities. In addition, calligraphy practice and poem recitation are important cultural activities emphasized by middle-class parents. In the following, I will discuss the early family education received by students with different socioeconomic status and analyze the relationship between cultural capital accumulated in the early childhood and academic performance in school.

9.1.1 Teaching Chinese Characters

The three middle-class students reported in the previous chapter, Cai Shuang, Wang Yicheng, and Ruan Wei, all had learnt to read and write Chinese characters before they started elementary school. Shuang began to learn Chinese characters when she was five, and could recognize 100 characters and write at least half of them before elementary school. Yicheng started even earlier when she was only age four. Yicheng had learnt so many Chinese characters that as her mother claimed, she could read textbooks from the first grade without any problem while she was still in kindergarten. Similarly, Wei’s parents taught him Chinese characters before they sent him to kindergarten at age three, thus he could write his name the first day in kindergarten, which really impressed his kindergarten teacher. As a nonalphabetic language, Chinese has a completely different writing system from English. Unlike English, a word in Chinese is represented by distinct symbols that represent meaning instead of sound (Wang, Perfetti, & Liu, 2004). Because
of this distinctive feature, writing Chinese is particularly difficult for children who have just learnt to speak. Yet, reading and writing Chinese characters, together with math, are the most important skills taught throughout the elementary school. Therefore, by teaching their children to read and write Chinese characters, middle-class parents prepared their children at an early age for formal schooling.

This common educational practice is not taken by most of the working-class parents. Among all the working-class students, Shi Juan was an exception. Juan’s parents have always placed a great emphasis on their daughter’s education. As mentioned earlier, because of the transportation issue, Juan went to the kindergarten that was owned by her mother’s factory. It was a poorly equipped kindergarten with underqualified teachers. Therefore, Juan’s mother decided to teach her Chinese characters at home. By the time when she was going to elementary school, Juan could recognize quite a few Chinese characters and could also write them. Other working-class students interviewed in the study did not have any early family education. Two male students from the working-class families mentioned that they had difficulties writing their names when they started to enter elementary school. In contrast to Wei’s case in which he could write his name at age of three, Peng shared that the only two words he learnt to write in kindergarten was his name, but he still could not write them well so that his teachers kept mispronouncing his name. Erping also told as a joke that he could not write his family name because of its complexity, and had to skip his last name whenever he had to sign his name for the first few weeks in elementary school.
None of the students from farmers’ families learnt to write or read at home before going to the elementary school. However, different from the argument of cultural capital theory, these students did not find the school environment hostile. Their unique experiences will be discussed later in this chapter.

9.1.2 Developing Reading Abilities

Since spoken Chinese is highly homophonic, writing has been a practice used in school to help children learn Chinese characters. A Chinese character usually comprises two parts: semantic radicals and phonetics (Cheung & Ng, 2003). The semantic radical represents meaning, and the phonetic component represents sound. Through writing, children learn to deconstruct characters into a unique pattern of strokes and learn both the sound and the meaning. Researchers (Tan et al., 2005) point out that English reading abilities rely more on listening skills, while Chinese reading abilities rely more on writing skills. The parents of the three middle-class students all purposefully connected writing Chinese characters with reading. Yicheng’s mother indicated that when she was teaching Yicheng Chinese characters, she tried to find those simple characters in the newspaper or the magazine she had read and pointed them out to Yicheng. This strategy made Yicheng really excited about the fact that she could recognize a few Chinese characters in the adult’s reading materials and thus felt more motivated to learn. Wei’s parents also shared that they taught Wei poems the same time when they started teaching him Chinese characters. Wei often felt excited when he found out in a poem the Chinese characters he had recently learnt. As we can see, their reading abilities developed with writing Chinese characters.
During the interview, the three students also consistently mentioned a love of reading. They were all early readers. Shuang and Yicheng both read a substantial amount of storybooks in kindergarten and preschool. According to his mother, Wei was already reading chapter books when other kids in the same kindergarten just started to learn how to read. In contrast, none of the working-class students or the students from farmers’ families recalled any reading activities before starting first grade. This situation is not unexpected because without learning Chinese characters, it is impossible for someone to read. As some researchers point out (Snow et al., 2007), these differences in early literacy practices at home can contribute to later differences in reading practices and academic achievement in school. This correlation will be examined in the later analysis.

9.1.3 Calligraphy Practice and Poem Recitation

Bourdieu points out that family lifestyles and cultural consumption patterns are a critical source of children’s cultural formation. Bourdieu (1977a) considers art, classical music and literature as “beau arts”, and contends that beau arts play an important role in the formal education. Art museum visits, concert attendance, and literature reading are all concentrate in the upper- and middle-classes families, which represents distinctive cultural traits, tastes and styles from those of lower- and working-class families. In China, poetry, calligraphy, and painting are considered as the three major forms of traditional fine art (Li, 2004). From the interviews, poem recitation and calligraphy practice seemed to be very typical cultural activities among the middle-class families. Six out of seven students from middle-class families interviewed in the study both practiced calligraphy and recited poems from Tang Dynasty in their early childhood.
Chinese Poetry is the most highly regarded literary genre in China. As Lee (2000) indicates in his book about the history of Chinese education, poem recitation has been the most common practice used in traditional Chinese education to teach a child literary appreciation and to instill in him/her the sense of Chinese aesthetics. This practice is still commonly employed by Chinese middle-class parents to teach their children Chinese characters and to foster certain unique cultural dispositions. Poems from Tang Dynasty (618–907 AC) are generally accepted as to be of good qualities, and among them quite a few are regarded as masterpieces. Therefore, most middle-class parents chose poems from Tang Dynasty for their children to study. Yicheng’s parents started to teach her to recite poems around age three. Yicheng could remember about ten poems when she was still in kindergarten. Later on when she was in elementary school, her parents began to explain to her the meanings of those poems that she had memorized. According to her parents, she started to appreciate the poems and became interested in literature reading in general. Moreover, middle-class parents also tend to connect poem recitation with word recognition. Certainly, reciting poems enriches a child’s vocabulary. According to her mother, Shuang was attracted by the rhythmic and musical sound of the poems picked by her parents, and was quite motivated to learn. Her mother also taught her the meaning of those frequently used and rather simple characters in the poems. By the time she went to elementary school, Shuang could recite at least 50 poems and write more than 100 Chinese characters. Finally, poem recitation directly contributes to a child’s academic achievement because textbooks for Chinese classes through elementary school to high school include many poems from the ancient historical periods, especially from Tang
Dynasty. Reciting poems and explaining their meanings are one of the most common testing items in examinations. Therefore, poem recitation at early age prepares those middle-class students for formal schooling and for taking examinations.

Chinese calligraphy is a highly sophisticated form of art, and widely recognized as bona fide fine art. According to Li (2004), in ancient China calligraphy served more than an artistic or linguistic purpose, it was the passport to the successful official career. Nowadays, the importance of calligraphy in the government official career development might have decreased, but it still represents a national taste in art. During the interviews, calligraphy practicing was found to be another popular cultural activity that concentrated in Chinese middle-class families. First of all, practicing calligraphy is believed to contribute to the development of cognitive and linguistic skills. In ancient China, Wenyen Wen is the literary language used for law, administration, and the works of art (Ridgway, 2003), and it is completely different from the modern Chinese. In calligraphy practicing, one has to be conversant in the classics which were written in Wenyen Wen. Studying and copying those poems and prose in the masterpieces of calligraphy are believed to cultivate reading skills and strategies (Tang, 2006). Being familiar with China’s rich poetic tradition is also one of the prerequisites for practicing calligraphy (Li, 2004). Therefore, practicing calligraphy can also develop linguistic skills and cultivate aesthetic faculties. Second, calligraphy practicing is also a way for middle-class parents to teach their children to discipline themselves because the practice is an arduous process and it requires a lot of patience and attention to details. Shuang, Yicheng, and Wei all have started practicing calligraphy since their early childhood, and carried it through middle
school. Both of Wei’s parents practiced calligraphy themselves as a hobby. They sent Wei to a weekend calligraphy class when he turned four, and very often accompanied him to go to the class and supervised him to practice it. His father indicated that calligraphy practice is a good way to discipline a child because it requires serenity and fortitude. Shuang’s father also pointed out that sending Shuang to learn calligraphy was to cultivate her serious attitude to do things. Since calligraphy practice is very detail-oriented that requires patience and hard work, Shuang’s parents believed that practicing calligraphy helped Shuang to form a good attitude to study. Compared to Wei and Shuang, Yicheng started to learn calligraphy a little bit late -- from third grade. Her parents insisted that she should study calligraphy because it is a precious traditional Chinese art. Yicheng first found the practice tedious and tiring, but she learnt to appreciate it later on and claimed that whenever she was anxious about some issues, practicing calligraphy could set her mind in peace.

Shi Juan’s parents were not college-educated, yet they also regarded calligraphy practice as an important activity. Instead of emphasizing the preciousness of the art, her parents had more practical reasons for encouraging her to practice calligraphy. They thought that if one practiced calligraphy, he/she would naturally have a beautiful handwriting, which is important in many aspects. For example, in the test for the subject of Chinese, composition is always the biggest part which usually takes up 35 percent of the total score. A good handwriting can easily catch the attention of the teacher and make the otherwise average composition stand out, while a bad handwriting can wipe out the uniqueness of an excellent piece. Although this point of view was not mentioned in the
interviews with the middle-class parents, middle-class students could definitely benefit from this positive effect of a good handwriting.

Although Peng and Qunhuan were never sent by their parents to learn calligraphy, they both practiced it because of their high school Chinese teacher. “He was really into calligraphy, and asked everybody in the class to practice it.” Peng recalled of the high school teacher, “he told us how important it is to have a good handwriting, and asked us to turn in one piece of work every week…so the year he taught us the whole class practiced it.” Qunhuan admitted that his handwriting was “unreadable” before the practice, and really appreciated the teacher’s efforts to help him to improve. The other working-class students and those from the farmer’s families did not have any experiences with calligraphy practice. Although the impacts of the school on students’ cultural capital and academic achievement are not the focus of this research, we can clearly see from Peng and Qunhuan’s experiences that a good school certainly exerts positive influences on students’ cultural capital accumulation.

9.1.4 Early Family Education and School Achievement

Cultural capital theory implies that the family provides a child’s first and most significant learning environment and parents are a child’s first and most important teachers. The ability of the parents to provide the best possible environment for their child’s learning and growth is very important to their academic performance later on in school. For those children who have grown up in a home climate in which reading is emphasized, it is much easier for them to adapt to the classroom learning once they enter schools (Lamont & Lareau, 1988). In Yicheng’s case, the fact that she could read well
made her an outstanding student in her class, which cultivated in her a high self-esteem and made her more confident and motivated to learn. Yicheng shared her experiences of being constantly called by the teacher to the platform to read for the whole class, because she could speak clearly and distinctively while most of her peers would murmur or stutter in front of the whole class. Her parents also mentioned how much her teachers adored her and how that made Yicheng always try to be better.

In contrast, for those children who have not learnt to deal with certain cultural practices, such as reading, school experiences could be shocking and frightening. Most of the working-class students interviewed in this study went to kindergarten and preschool. In the five cases of working-class students presented in the previous chapters, four of them at least went to preschool, and three had both kindergarten and preschool experiences. However, with only one exception, they received no early childhood family education from their parents. And, the kindergarten and the preschool were just the place to play with other kids, but not the place where they were prepared for the formal schooling. During the interview, Manyue’s father expressed a strong concern about his daughter’s education and claimed that Manyue’s education was always the number one priority in his family. A lot of events he mentioned which happened later on in Manyue’s education career actually proved that he did care a lot about her education. However, Manyue’s parents did not realize how important early childhood family education is. In fact, Manyue was the only one who did not have any kindergarten and preschool experiences among the five working-class students. Before going to elementary school, it was her grandparents who were taking care of her. She hated school from day one.
During the interview, she recalled how she cried in school for being taken away from her grandparents. Because of her lack of experiences with kindergarten or preschool, she could not get used to the class environment and hated being seated in a class for 45 minutes straight. The school environment was hostile to her, and she started to struggle with her schoolwork from the very beginning.

Like Manyue, none of the students from farmer’s families had early childhood family education or kindergarten experiences. However, they did not find the school environment as unfriendly as Manyue did. The main reason can be that in the rural area, almost none of the students has received any kind of education before attending elementary school. Therefore, they felt more comfortable in such a school setting where nobody had any educational experience beforehand and had to start from the very beginning. However, later on when the best of those students from a village elementary school were admitted to a middle school in a county seat, they experienced a more hostile environment where they were penalized for lack of certain social and cultural habits.

Besides emphasizing the direct effects of early cultural socialization, cultural capital theory also points out that as moving through the educational ladder, for those who begin with more initial cultural capital, their cultural capital accumulates at a faster rate than does the cultural capital of those from lower classes. During the interviews, of the six students who positively mentioned elementary school experiences, three were middle-class students.

The three middle-class students, Shuang, Yicheng, and Wei all did very well in elementary school. Shuang was a straight A student. She recalled that schoolwork was
easy for her in elementary school and she did well in every subject. Besides the schoolwork, Shuang read widely in different fields. She was also very active in extracurricular activities, and participated in the school’s play club and the literature club. Shuang’s parents also pointed out that Shuang absolutely loved school from the very beginning and that she was very self-motivated to learn. “We didn’t exert any ground rules for schoolwork or grades.” her mother said, “Shuang always wants to be the best, so we figured that there was no need to establish any rules for her regarding her schooling.”

Similar to Shuang’s experiences, the early education received at home also put Yicheng well ahead of her peers when she went to the elementary school. Normally, students begin to have foreign language classes on fifth grade. However, Yicheng’s father started to teach her English before she started elementary school. At the beginning, her father liked to point out things around the house and told her their names in English. She learned quite a few English words in this way. Her father then taught her the letters and instructed her to spell the words of which she had already learnt the pronunciation and the meaning. “It was fun,” Yicheng said, “I learnt it effortlessly…I built my confidence early on, so I never had any problem with my English class even when in high school.”

Yicheng’s parents also indicated that they did not have specific rules for Yicheng in terms of schoolwork and grades. However, Yicheng said, “The rules are always there…They don’t emphasize them because they don’t want to be pushy, but I know a B will definitely disappoint them…I have a high expectation for myself, too, so I never feel too much pressure from my parents.”
Compared to Shuang and Yicheng, Wei’s experiences in elementary school were quite different. Both Shuang and Yicheng were among the top three students in their classes, while Wei’s school achievement was only about the average. Wei shared that the coursework in elementary school was so easy that he never really put in much time and energy into the school learning. Instead, he engaged himself actively in all sorts of extracurricular activities. He continued to practice calligraphy and drawing. Additionally, he learned to play violin, attended the aircraft modeling class offered by some after-school programs, and participated in the school’s Chinese chess club. He was also a member in the school’s soccer team. Wei’s parents were highly critical of the test-driven schooling system in China. They indicated that since they felt cramming textbooks down the throats of students was not the way they wanted to teach their son, they did not drill him in school subjects. Instead, they encouraged him to read widely besides textbooks, and believed that the extracurricular reading and other activities could “inspire him and let his creativity run free”. Therefore, in elementary school, although Wei was not an outstanding student in school, both his parents and he believed that he actually had more potentials and was more capable of learning than most of his peers and he truly understood what he had learnt.

Shi Juan was the only working-class student who mentioned positive school experiences on elementary level. Juan recalled that the schoolwork in elementary school was not too difficult for her. “My parents had taught me a few Chinese characters and some simple math before I started the formal school education. So, Chinese and math, these two main subjects in elementary school were not difficult for me.” Juan also
recalled that she earned full scores for her Chinese and math classes in the first final exams on the first grade, her parents have established their high expectation for her academic achievement since then. Juan graduated from elementary school as one of the top ten students in her class.

In contrast with Juan’s case, Manyue was the only working-class student who had no kindergarten or preschool experiences before elementary school. Since the very beginning, the school has been a hostile place to Manyue. It took her a long time to get used to sitting through the 45-minute long classes, to learn how to socialize with other children in class, and to understand the teacher’s authorities. Manyue’s comment about the beginning of the elementary school for her was “totally another world”. Although Manyue’s father did not provide her with any early family education, he still expected her to do well in school. His logic was “she is not stupid, she does not slack off, and we’ve always been emphasizing that a good education is important. I just can’t see why she can’t do well in school.” While Manyue was struggling with the school subjects, her father tried to get involved helping her with her homework, especially math. However, Manyue did not respond to her father’s help very well. She complained that her father always came in and told her a way to do it while she was trying to figure out another way herself. They fought about it all the time. Manyue said, “I gave up after a while, and simply copied what he said.” With this kind of help from her father, Manyue’s performance in school did not improve by much. Especially after she graduated from elementary school when his father could not help with her schoolwork anymore, Manyue could hardly catch up with her class.
Interestingly enough, although none of the three students from the farmer’s families received any early family education, elementary school was a positive experience for all of them. They all lived a typical childhood in rural China before going to school – helping parents with work around the house or in the field. They did not learn any Chinese characters or math from their parents; however, when they went to school, they found the school a novel and exciting place for them. As Xiaomin indicated,

School was fun. It’s definitely more exciting than working in the field, feeding pigs, and making meals… I still had to do most of the work at home, but the school was a good place to escape, so I liked it a lot.

None of their parents made any specific rules for them regarding schoolwork or grades. However, both Qunhuan and Xiaomin were very self-motivated to study. According to Xiaomin, the school was a much nicer place compared to home. Their shabby house in the village was dark and dirty. Her mentally retarded brother required constant care and attention. Her mother, who had to take care of all the work in the field and around the house, was irritable and always complained about little things. Xiaomin sometimes would try to stay in school a bit longer after the school was over in order to get her homework done or just to “enjoy the atmosphere there”. Qunhuan also liked school a lot from the very beginning. He felt that naturally he was attracted to numbers, so he spent a lot of time on studying math and gained a lot of fun from it. Later in the elementary school, he realized that being a good student in school was the only way to change his life. “I didn’t know how it was going to change my life,” Qunhuan recalled, “but somehow I knew a good education was the only way for me to get rid of a farmer’s fate.” It also gave him a strong motivation to learn and to do better in school.
9.2 Predisposition Stage

As previously indicated, Hossler, Braxton, and Coopersmith (1989) found that the three-stage process of college choice generally begins around seventh grade and ends upon college enrollment. The predisposition stage is in large part dominated by the development of educational aspirations and intentions to continue education beyond high school (Cabrera & LaNasa, 2000; Hossler, Schmidt, & Vesper, 1999). In this study, I found that students’ expectations for a college education mostly depend on three elements: school culture, students’ own academic performance, and parents’ expectations.

9.2.1 Opportunities to Enroll in a Key Middle School

In the context of China, the predisposition stage starts with an exceedingly important choice faced by parents and students – which middle school to enroll in. There are three key middle schools in the city of Wuhu. Before 1998, all the elementary school graduates had to take the middle school entrance examinations to compete for the very limited seats in these three schools. Since summer 1998, the policy makers in Wuhu have introduced a voucher system into the middle school enrollment process. Different from the voucher systems in the United States which are typically based on financial, educational, or geographical need, the voucher system in Wuhu is based on pure luck. Every elementary school graduate is assigned a series of numbers. Lottery is used to determine which students get the vouchers. Students with vouchers can go to the key middle school in their districts. However, each key middle school only enrolls one third of their freshmen through the voucher system. The other two thirds of freshmen have to
pay additional tuition and fees to get into any of the key middle schools, although the public middle school education is supposed to be free. There is no minimum testing score requirement for the admission.

Among the students interviewed in this study, only two out of 25 obtained the voucher to get into Fuzhong middle school. Among the eleven cases studied in more details, Peng was the only one who won the lottery. During the interview, Peng mentioned for a couple of times that how important it was for him to gain the chance to go to Fuzhong middle school. He regarded this event as “the turning point” in his life. Peng has never thought of going to college before middle school. However, on his first day in Fuzhong, his homeroom teacher asked everybody to share his/her college dream with each other. It struck him that how important a college education seemed to be to everyone. Since then, Peng began to think that a college education might be an option for him. Like Peng, Huifeng was also a male student from a working-class family, and was smart and hard-working. Peng and Huifeng both did fairly well in elementary school; however, Huifeng was not lucky enough to win the lottery and ended up going to an ordinary middle school. Although Huifeng continued to study hard in middle school and did well in school, he still trailed far behind those who went to the key middle school. Therefore, we can see that in the predisposition stage, which middle school a student can enroll in plays an important role in his/her education career. Middle-class parents are clearly aware of this fact.

Yicheng’s mother was a physics teacher in an ordinary secondary school. When Yicheng graduated from elementary school, she could go to the school where her mother
was teaching senior high school classes. As part of the staff’s benefit, Yicheng’s family would not have to pay any tuition or fees if Yicheng went to her mother’s school. However, as a teacher, Yicheng’s mother was quite aware of the differences between an ordinary middle school and a key middle school in terms of the quality of teachers and facilities. She said, “We want to give her the best education. Money was not in our consideration.” Yicheng’s father agreed with her on this issue. A few months before Yicheng’s graduation from elementary school, her parents contacted a few close friends who were either working in Fuzhong or in the local Bureau of Education in order to put Yicheng on those people’s private lists. As soon as the outcomes of the lottery came out and they learnt that Yicheng did not win the voucher, Yicheng’s parents went to those people and made sure that Yicheng’s name was on the top of the waiting list. Since they prepared well and acted early, Yicheng was admitted by Fuzhong without any trouble.

I learnt from the interviews that every year the waiting list to get into Fuzhong is incredibly long. Without a strong social network, it is almost impossible to buy into Fuzhong middle school. Huifeng’s parents were the only working-class parents interviewed in the study who were willing to pay the extra $5,000 each semester to buy the opportunity for Huifeng to go to Fuzhong. However, Huifeng’s father told me that they were put on the waiting list for a month but finally did not get in. I learnt from Yicheng’s father that the waiting list is not open to the public so that those people who have strong network can squeeze their children’s names in and those who are just passively waiting are much less likely to get the limited seat for their children.
Although neither of Juan’s parents had a college degree, they both thought highly of education and wanted Juan to go to college. As mentioned before, Juan was the only working-class student in this study who received a fairly good early education before going to school. During the years in elementary school, her parents had high expectations for her and set specific rules for schoolwork and grades. Juan did really well in elementary school; however, she was not one of the few lucky winners of the lottery to Fuzhong middle school. Her parents’ initial response to it was that they had no choice but sent her to an ordinary middle school in their community. However, Juan’s grandfather who was a retired math teacher from Fuzhong insisted that they had to try their best to send Juan to Fuzhong middle school. He used his old-boy network to get the admission for Juan. Juan’s parents were first upset by the fact that they had to pay $5,000 extra fees every semester for Juan’s admission. According to Juan’s father, they wanted to save every penny they could to pay for Juan’s college education, so they did not want spend this big amount of money so early on. However, Juan still went to Fuzhong middle school under the condition that her grandfather offered to pay for the additional fees. Juan’s parents only learnt to appreciate her grandfather’s decision three years later when they learnt that not a single student in their community middle school reached the admission scores to Fuzhong high school while Juan passed it without any difficulties.

Among the working-class parents interviewed in this study, Manyue’s father and Juan’s parents struck me by the importance they placed on their children’s education. However, like Juan’s parents, when facing the choice about which middle school to go, Manyue’s father chose to send Manyue to an ordinary middle school in order to save the
money for her college education later on. This decision showed that although they knew how important a good education is, they did not understand that every single step in their children’s education career path is critical. A choice made then can influence their chances to go to college six years later.

9.2.2 Home Environment and Academic Achievement

According to cultural capital theory, a particularly important aspect of family background is the educational resources parents can provide to their children (Bourdieu & Passeron, 1977; DiMaggio, 1982; Coleman, 1988). Valuable educational resources, such as books, newspapers, and computers, can cultivate and foster children’s motivation to learn and shape orientations to school. The participation in cultural activities at home makes children become acquainted with the cultural cues in the formal school education, and also leads to the development of knowledge or skills, which both in turn enable students to succeed in school (DiMaggio, 1982, 1985).

The middle-class students interviewed in the study all pointed out that their families subscribed to certain kinds of newspapers and journals. Some of them also emphasized that reading together and sharing what they had read was an important family activity. As indicated previously, the three middle-class students all consistently mentioned a love of reading. Shuang, Yicheng, and Wei all read a significant amount of books before they went to school and continued to read for fun in their spare time after they started formal schooling. Shuang has developed a special interest in science and history since middle school, her parents thus subscribed several magazines in these two
fields for her. Both of her parents also liked to read for fun. Shuang indicated that one of her favorite family activities was to read with her parents:

We all crowded in my dad’s study room and read after dinner. Sometimes it could be silent for an hour or so, but then one of us could burst into laugh and read out the funny part to the other two people…And we sometimes commented on each other’s readings, or argued about issues brought up by one article… it was really fun and I learnt a lot from both the books and my parents.

According to cultural capital research (DiMaggio, 1982, 1985), the parental effort found to be most critical to school success is active encouragement of literacy activities, such as reading and writing activities in the home. Middle-class parents, who are more likely to read books and newspapers regularly at home, have better linguistic skills and can pass these educational skills on to their children. As indicated before, Yicheng developed a special interest in literature reading, especially those masterpieces from British and Russian writers. Reading world classics was also a habit of Yicheng’s mother. In fact, Yicheng’s first set of world classics series was a gift from her mother for elementary school graduation. Since then, she began to buy classical novels with her pocket money. Her parents were very supportive to her extracurricular reading. Yicheng shared that reading those great novels did not distract her attention from formal schooling. Instead, the extracurricular reading in literature and poetry significantly improved her writing skills, which helped her with her Chinese classes and made her stand out in the written composition class,

Beautiful and powerful words just flew into my mind. And, because I’m familiar with many poems, sometimes I punctuated quotes from poems in my essay. Teachers were always impressed with that.
Like one middle-class parent interviewed in this study commented, “Few children learn to love books themselves. Someone must lure them into the wonderful world of the written word, someone must show them the way”. Evidently, middle-class parents are more likely to establish a stimulating learning environment at home and act as role models for their children. The learning environment at home must contribute to the overall higher academic achievement of the middle-class students.

In contrast, working-class students did not have an easy access to books and newspapers at home, and were also not encouraged to read by their parents. Although they always placed an emphasis on their daughter’s education, Juan’s parents thought that only formal schooling was important and that extracurricular reading could distract Juan’s limited time and energy from studying textbooks. Like Yicheng, Juan was also interested in literature reading. Usually she borrowed from the school library. However, her parents did not allow her much time for extracurricular reading. She recalled that her mother used to say, “for the time you spent in reading those novels, you could have done your math exercise” or “you could have memorized a lot of vocabularies for your English class”. This kind of parental behavior is not uncommon among working-class parents. Manyue had the similar experience. Manyue’s father recalled how much it upset him when he found out that Manyue was using her math textbook to cover her novels. Her father then forbade her to read anything other than textbooks.

Some other working-class students mentioned the lack of reading materials at home or a lack of interest in reading. Erping particularly mentioned that his home was turned into a food stand by his parents, which was dirty and noisy and there was no room
for a quite reading. Peng also shared that his parents tried to make sure he got all the
textbooks and supplemental learning materials required by the school, but they had no
spare money to spend on subscribing any newspapers or journals for him, although he
“might enjoy reading” them if he had the access.

Qunhuan, the only student who was from a farmer’s family and finally went to a
national key university, particularly mentioned his lack of interest in reading and how he
thought it handicapped his ability in written and oral compositions. That was one of the
reasons why he failed the early admission exam and did not get to go to the prestigious
university, Fudan University. As indicated in the case description, Qunhuan got the
admission to participate in Fudan University’s early admission exams because of his
outstanding achievement in math and science. However, besides math and physics, the
exams also consisted of an oral Chinese composition. It included selecting a subject
assigned by the examiner, compiling information and experiences appropriate to the topic
in ten minutes, and presenting a clear argument about his/her statements or positions.
Qunhuan could only “murmur or stutter during the exam” and “failed terribly”. Qunhuan
was not the only one who had the problem of reading and writing. The other two students
from farmer’s families also indicated that there were not much reading material available
at home and they did not develop an interest in reading since their childhood. In fact, this
is a problem universally existing in the rural China. According to the statistics from the
National Department of Culture (2005), only 45 percent of the farmer’s families have any
reading materials and only one out of a hundred young peasants (age 15 to 30) reads in
their spare time.
The problems those students had with reading and writing skills could considerably harm their academic performance in school. The Chinese class is the most important course through elementary school to high school, which is all about linguistic skills. In both high school entrance examinations and college entrance examinations, the subject of Chinese plays an important role in deciding final achievement scores.

Research conducted in western countries has consistently indicates that socioeconomic status and academic performance have a joint effect on students’ decisions on college participation (Alexander et al., 1978; Elsworth et al., 1982; Jackson, 1978; Tuttle, 1981). Using data from the 1980 High School and Beyond Study (HSB), Tuttle (1981) finds that SES can explain seven percent of the variance in students’ college plans. He particularly points out that the effect of SES on college plans is not direct, but mediated by students’ achievement. In China, academic performance might play a larger role in students’ decisions on whether or not to continue their education at postsecondary level because of the college admission policy. Unlike the college admission policy in the United States, which includes SAT scores, extracurricular activities, community service, and essay writing for consideration, Chinese colleges and universities choose their students mostly based on academic achievement, principally their achievement scores in the national unified college entrance examinations. Therefore, when considering whether or not to go to college, Chinese students make their decisions largely dependent on their academic performance. The three middle-class students all indicated that they were completely sure they wanted to go to college in the predisposition stage. One of the important reasons for their decisions to go for a college
education is that they were confident that their academic performance in school made the access to a college education possible. For the same reason, some of the working-class students did not want to continue their education beyond high school. Manyue mentioned for quite a few times in the interview that she hated the school, she did not enjoy studying, and she always felt humiliated by the teacher because of her low achievement. She did not wish to go to college because “I can’t wait until the day that I don’t have to study”. Other students decided not to continue their education beyond high school because they had no confidence they could succeed in the college entrance examinations. As Erping said, “Given my poor performance in school, it would be a joke if I could make it to college…I only wish I could graduate from high school”. The interviews reveal that academic performance plays an important role in the model of students’ college planning.

9.2.3 Parental Expectation and Students’ College Planning

According to some researchers (DiMaggio & Mohr, 1985; McDonough, 1997), cultural capital also refers to the value placed on obtaining a college education. Prior research indicates that family’s socioeconomic status is highly associated with parental encouragement for the student’s educational attainment (Hossler, Braxton & Coopersmith, 1989). Therefore, parental expectation can be regarded as an indicator of the initial stock of cultural capital possessed by the student, which conditions his/her attitudes and aspirations (Bourdieu & Passeron, 1977; McDonough, 1997). Several studies (Ekstrom, 1985; Soper, 1971; Tillery, 1973) examine the impact of parental educational expectations and parental encouragement upon the postsecondary aspirations of their children, and found positive relationships between parental expectations and students’ educational aspirations. Consistent with the findings from
prior research, this study found that students from different family backgrounds consider a college education at very different ages.

According to Hossler and Gallagher (1987), the predisposition stage refers to the phase in which students make a tentative decision about whether or not they want to pursue a college education. In their model, this stage covers the third year of middle school or the first year of high school. Nevertheless, Hossler points out in a later study that students whose parents have received a high level of education might consider a college education earlier (Hossler, Schmit & Vesper, 1999). In this study, the earliest age at which the student began to aspire for a college education is 11. It was Shuang whose parents both had a Master’s degree. Shuang’s parents began to talk to her about colleges and universities even before she started first grade. She started to seriously think about a college education after her parents took her to visit several prestigious universities in Beijing when she was on the fifth grade. From then on, going to college has become the only viable way for her. In her own words, “I can’t think of myself without a college education”. Both Yicheng and Wei also made their decisions to attend a college upon entering middle school.

Peng and Juan also began to think about a college education in middle school; however, it was mostly the impact of their school culture. The key middle school, Fuzhong, is a school with a college culture. The college culture cultivates its students’ aspirations and behaviors conductive to preparing for and applying to college. During the time in middle school, Peng and Juan were encouraged to achieve strong academic performance, and were continuously exposed to the idea of going to college. Immersed in such a school culture, they began to consider a college education. However, Peng was
still not sure if his college goal was practical upon the graduation from middle school, and almost opted to continue his education at secondary specialized school if his homeroom teacher did not try to persuade his parents that he had a very good chance to go to college.

Manyue’s father had a high expectation for her, and saw himself as encouraging and helping Manyue achieve success at school. Nevertheless, he never clearly communicated with Manyue which educational level he hoped she would attain. As he put it,

I always encourage her to work hard and make sure she’s not distracted from studying by anything else…There is no use to just talking (about a college education). She has to be a good student first, and then we can talk about the possibilities for her to go to college.

Manyue also admitted that a college education never came across her mind when she was in middle school. For her, she never considered whether or not she should continue her education at the tertiary level. “It’s all my dad’s decision”, she said, “I don’t care”. In contrast, Erping’s parents busied themselves with the small family business and did not involve in his schooling at all. Erping said he never pictured himself going to college simply because “I’m not good in school” and “no one went to college in my family”.

For the two students who were from farmers’ families and eventually went to college, their college plans started only in high school. Qunhuan’s parents did not expect him to attain a college education. In fact, he even had to fight for the right to go to high school. As Qunhuan said, he was not sure how far he could make on the path to college because of the financial situation in his family. When he started to seriously think about
the possibility for a college education, his middle-class peers had already made their “list of choice”, which I will discuss in the following section.

9.3 Search Stage

In Hossler and Gallagher’s model of college choice (1987), the search stage refers to the process that students consider different HEIs to which to apply. This stage extends roughly from tenth grade to the middle of twelfth grade and is heavily focused on the development of a student’s college “choice set” (Hossler, Braxton & Coopersmith, 1989). In this section, I am going to look at actions taken by students that are related to their college plans, which include enrolling in a right high school, choosing the major in high school, and college visits.

9.3.1 Opportunities to Enroll in a Key High School

The so-called “three-tiered” examination system in China refers to the entrance examinations to middle school, to high school, and to college. The entrance examinations to middle school divert elementary school graduates into key middle schools and ordinary middle schools. Because key schools in China are given priority in the assignment of teachers, equipments, and funds, their students generally can achieve better academic performance and therefore have a better chance to enroll in key high school. Recently, the entrance examinations to middle schools were abolished in many places. The underlying rational is that these examinations determine children’s educational fate so early on and thus it is not fair. However, the entrance examinations to key high schools still universally exist in China. Key high schools are allowed to recruit students who had the
best achievement scores in the examinations. The three key middle schools in Wuhu constitute only a small percentage of all regular middle schools (three out of 85), and funnel most of their students into their own high school sections, largely on the basis of entrance scores. In contrast, students from ordinary middle schools have a very small chance to pass these key schools’ admission scores. In addition, the provincial key high school, Fuzhong, enjoys the privilege of recruiting outstanding students from other cities in Anhui province. Fuzhong has a special recruiting team which visits many local key middle schools in different cities in the spring semester and locates those outstanding students and brings them to Fuzhong high school in the fall.\(^\text{12}\)

Shuang’s family was living in a city that is two-hour’s drive from Wuhu. Shuang was picked by this special recruiting team from Fuzhong not only because she had an outstanding overall achievement, but also because she had won two championships in the biology competitions on the provincial level. She was thus recruited to the gifted science class at Fuzhong high school. Although it meant that she had to become a boarding student for three years in high school, Shuang believed that a provincial key school would give her a better chance to get into her dream college – Beijing University. “I know being a boarding student could be really hard – being far from parents, taking care of little things in life, and having to eat terrible foods from the school’s cafeteria.”

Shuang shared her feelings about coming to Fuzhong, “But, going to Beijing University is my dream, and to make my dream come true, I’m willing to do everything I can.”

\(^{12}\) Key schools compete with each other in terms of how many students they can send to key institutions at the next level. Key schools with higher percentages of their students going to key institutions at the next level are more likely to get more funding from the government and to recruit better qualified teachers. Therefore, Key schools try to recruit students with high academic achievement so that they can funnel more students to key institutions at the next level.
In comparison, Yicheng’s decision-making was easy. As a top three student in class at Fuzhong middle school, Yicheng passed the entrance score to Fuzhong high school easily. Because of her high achievement in the high school entrance examinations, she was admitted to the gifted science class as well.

Wei’s situation was a bit more complicated. As presented in the case description chapter, when he was a junior in middle school, Wei’s father got a chance to go to University of Greenwich in London as a visiting scholar for one year. His father brought Wei with him in order to give him the opportunity to “see more and learn more about the world out of China”. Although Wei has learnt the school subjects on his own with help from his father, he still could hardly catch up with his class when he returned to Fuzhong middle school. In the high school entrance examinations, Wei did not reach the admission score of Fuzhong high school. However, Fuzhong was permitted by the local bureau of education to admit a certain number of students who did not reach the cutting score by charging extra tuition and fees. Without any hesitation, Wei’s parents agreed to pay the extra 7,000 yuan per semester to get him the admission to Fuzhong.

Peng and Juan were two working-class students who went to Fuzhong middle school. Upon graduation, Juan’s decision-making was easy and straightforward. Her parents always had this pity that they did not have a college education, so they wanted to support Juan to go to college. Juan, influenced by her classmates and teachers, also thought a college education is the only way to obtain a good job and the type of job that will allow for a comfortable lifetime income and a secure future. Therefore, Juan applied to Fuzhong high school without any hesitation. Although Juan’s achievement was only
about the average in her class at Fuzhong middle school, she still passed the Fuzhong high school’s entrance score easily because students from Fuzhong middle school are generally much better prepared academically compared to students from ordinary schools. Using one parent’s words, there is almost “no competition from the outside (of Fuzhong)”.

Since Peng won the lottery to go to Fuzhong middle school, he has been working hard and among the top ten in his class. However, upon graduation, he was uncertain about the idea of going on to a general high school. Both his parents and he thought that a specialized secondary school would be a good choice, since he could get into any of these schools because of his high academic achievement. Peng has been thinking of a college education since he started middle school, yet when facing the choice of which type of senior secondary school to go, he was still very hesitant. The influences from Peng’s parents were very weak. They basically agreed with anything Peng had decided. Peng thus put several specialized secondary schools in his application. When his homeroom teacher found it out, he paid a visit to Peng’s family. “Basically he (the homeroom teacher) told us that a college education is far more important today than it was ever before.” Peng’s mother said, “Fifty years ago, college education was only for the elite. We did fine in life without any college education, but it’s not going to be the case for Peng’s generation.” Peng finally decided to continue his education in general high school after thinking over his homeroom teacher’s words. His parents had no problem with his decision. Peng passed the high school entrance examinations with flying colors and got admitted to Fuzhong high school.
As discussed previously, because of the lack of social network, the working-class student, Huifeng, did not get into Fuzhong middle school. However, it did not defeat him. He thought he could work hard in an ordinary middle school and go to Fuzhong for high school education. Although Huifeng has been a good student in his school and performed normally in the high school entrance examinations, his total achievement score was still ten points lower than the cutting score of Fuzhong high school. This fact really puzzled him and his parents. Huifeng said, “I was really wondering what kind of people could get in”. At that time, Fuzhong had a policy that within 30 points under the entrance score, students could pay additional 7,000 yuan per semester to get the admission to Fuzhong. His experience in the high school entrance examinations scared Huifeng so much that at that point he desperately wanted to go to Fuzhong high school to secure his chance to receive a college education. However, since high school is not part of a compulsory education in China, every high school charges certain tuition and fees. Therefore, the total expense for Huifeng to go to Fuzhong would be 8,500 yuan per year, which was more expensive than tuitions charged at a lot of colleges. Huifeng’s parents did not think a high school education should be worth that much, so they did not want to pay for it. Although Huifeng preferred to go to Fuzhong, he also understood that his family was not able to pay both a high school education at Fuzhong and a college education. Huifeng finally gave in, and went to Nancheng high school.

The Rural Education Research Institute at the Northeastern Teachers’ University conducted a survey in 14 counties across six provinces regarding the middle school graduation rates (Peng, 2004). Although these rural areas are not considered particularly
poor, survey responses from the teachers there had revealed only about 60 percent graduation rates. Among middle school graduates, the number of those who continued to receive high school education is even smaller. Having this statistics in mind, the experiences of the three students from farmer’s families in this study were quite unique.

Qunhuan was admitted to Fuzhong by its special recruiting team. His achievement in science was outstanding. Qunhuan came in second in a provincial chemistry competition in his second year in middle school, and the championship in a provincial math competition and the third in physics in the senior year. In the last semester of middle school, Fuzhong’s special recruiting crew came to Qunhuan’s middle school and offered him the admission. Qunhuan was very excited about the idea of going to a key school in a big city for high school education. However, because his mother was strongly against that idea, his father had to fight for him for the opportunity. According to Qunhuan, his parents had many arguments and even fights over this issue. Finally, his father took out the whole family’s savings to pay for his high school and living expenses in the city. Xiaomin and Congbo’s experiences were less dramatic. Xiaomin could come to the city for high school because his father was a worker in the suburbs and had some network in the city. Congbo was from a relatively wealthy family in the rural area. His admission to Nancheng high school came from his uncle’s network in the city and the extra tuition his family agreed to pay.

9.3.2 Choosing the Major in High School

In the second year in high school, Chinese students have to choose between science major and arts and humanities major. Students in these two majors will have a
different curriculum and be tested on different subjects in the national college entrance examinations. Compared to American educational system, Chinese system has much less flexibility in terms of switching majors. Changing majors in high school is relatively easy, but once the student gets into college, it is almost impossible for him/her to switch his/her major between science and arts and humanities. Therefore, making a decision about his/her own major is very critical to a high school junior.

Three elements played a role in the students’ decision-making process about which field to major in. First, it is personal interest. All three middle-class students mentioned in their interviews that personal interest played the key role in their decision-making about majors. Shuang had a strong interest in biology. Wei became interested in architecture since his childhood. Yicheng had a general interest in science, including math, physics, and chemistry. Therefore, all of the three students chose to attend the science class. Their decision-making processes were relatively easy and straightforward.

To most of the working-class students, however, the other two elements seem to be more important. One is the expected earnings of a certain field, and the other is the possibility for them to get into college. Later on, I will discuss how these two variables also largely influenced working-class students’ decision making about which major to choose in college. Manyue’s father made every important decision in her educational path for her. When facing the choice to enroll in the science or the humanities class, Manyue’s father decided that Manyue should go to the science class despite the fact that she hated almost every science subject. He reasoned that because there were more colleges and programs in science than in humanities, there would be a better chance for his daughter to get into
college if she chose the science class. Manyue did not protest, although she felt that she might be more comfortable in a humanity class. Manyue expressed her appreciation for what her parents had done for her education. “They literally saved every penny for my education.” Manyue said, “My dad always said if I could obtain a college degree, it would be the only luxury possessed by our family”. Therefore, she compliantly accepted her father’s decision for her with a wish that the decision would make a college education more reachable. Compared to Manyue, Peng was a very independent student, and he made his decision without consulting his parents. Peng shared that it was an easy choice for him. “I like science in general.” He said, “And the job security and expected salary are also better for science students. So, there was no reason I would choose the humanities class.” Juan struggled a little bit when facing the choice, because she did not have a strong interest in science like Peng. Nevertheless, she still chose to enroll in the science class given that there was even more severe competition to get into college for humanities students. “I want to secure my chance to go to college. That’s my ultimate goal. So, it seemed to me that the science class was a reasonable choice.” Juan said. Similar to the working-class students, the three students from farmer’s families also made their choices based on the prospective job market and salary. Qunhuai actually had a strong interest in math, but the reason for him to choose the science class was not his personal interest but was that “it would be easier to get into college and easier to find a job with a decent pay after graduation”. Xiaomin also admitted that she did not really have a preference between science and humanities and that the chance to be admitted to
college and the expected income were the main reasons for her to choose the science class.

9.3.3 College Visits

College visits are a prevalent practice in the United States. Most colleges and universities have open houses and offer organized campus tours. Many students make college visits during their junior and senior years in order to get a firsthand view of the colleges they are interested. They go to open houses to talk to students, faculty members, and administrators, attend student-conducted campus tours, and sometimes stay overnight in a dorm to see what living at the college is really like. Moreover, they can also take the opportunity to talk to admission officers and ask questions about financial aid and other services that are available to students. In China, college visits are not very popular among high school students and their parents. Colleges and universities do not offer organized tours around campus. It is also impossible for high school students and their parents to have face-to-face interviews with financial administrators to get any clear idea about the financial aid available at certain college. Although college visits are not common practice for most of the high school students, nowadays middle-class parents are more and more likely to take their children to visit the colleges and universities to which they are considering of applying.

In the United States, a campus visit is an opportunity for the student to really get a feel for the school that they are interested. They walk around the quad, sit in on a class, and visit the dorms in order to determine if the school is a good match for them. In China,
many middle-class parents encourage their children to visit their dream colleges and universities with the intention of invigorating their spirit to get into the dream school.

Shuang’s first college visit took place when she was on a trip with her parents to Beijing. It was back when she was on fifth grade. In that trip, her parents took her to visit the ten national key universities that locate in the college district in Beijing. Although she was too young to get any feel for what it is like to actually study there, the visits did boost her interest in colleges and universities. “They looked smart and awesome,” Shuang talked about her impression of the college students, “and I wanted to be one of them”. Shuang went to Beijing for several times throughout her middle school and high school time. For a couple of times, she was with her parents. And for the other times, she was with the school teams to attend the national competitions in science. Every time when she was visiting Beijing, she spent some time in the college district.

That is my favorite part of Beijing. Being there, you can just feel the culture, the history, and the atmosphere that you can only find in those prestigious universities…. They are all very different from the colleges in my hometown (most of them are community colleges). Compared to these key national universities, the colleges I’ve seen in my hometown are like, you know, like nothing. So, it’s not very surprising that I want to go to Beijing for my college education, where I feel I can expect to become a bright and entitled thinker.

In the last semester of her high school senior year, Shuang was facing a choice between accepting the admission from University of Science and Technology in China with an exemption from national unified college entrance examinations and going through the normal procedure to apply to Beijing University. It was the most difficult choice that she was ever presented. To help her make her decision, Shuang’s father took her to the capital of Anhui province, where the University of Science and Technology in
China is located. As mentioned before, college visits are not well structured in China. There is no campus tour, no interviews, and no overnight stay in a dorm. However, Shuang and her father still went there anyway just to “get some feel” about that university. Shuang spent the whole day walking on campus, looking around for student newspapers, and checking out bulletin boards. The University of Science and Technology in China has a large and beautiful campus, too. However, Shuang felt that it lacked a sense of history with which Beijing University has impressed her. She also had a feeling that the school’s personality was not a good match of hers. A couple of weeks after her visit, she turned down the offer from the University of Science and Technology in China, and decided to go through the overwhelming college entrance examinations in order to go to her dream school, Beijing University.

Wei’s first college visit happened when he was visiting his aunt in Beijing. The summer when Wei graduated from elementary school, his aunt, who is a professor at Beijing Foreign Language University, invited him to spend the summer break with her family. They lived near the campus of Beijing Foreign Language University, which is not far from the two most famous universities in China, Beijing University and Qinghua University. Wei and his cousin traveled on their bicycles from one university to another in the college district. Wei was very impressed by those universities. He went back to visit them again for a couple of times during high school. In the winter break of his senior year, he went to Beijing alone to visit Qinghua University. This time, his father helped arrange a meeting with a professor in the architecture school for him. The professor was his father’s colleague, so Wei felt fairly easy to talk to him about his interest, concerns,
and all sorts of questions regarding to the admission criteria at Qinghua University. After
the meeting, Wei felt more confident that Qinghua was the right place for him, although
on the other side he felt the admission criteria were quite high at Qinghua and he might
need to stretch to reach the criteria.

The two universities Yicheng visited are the University of Science and
Technology in China and Fudan University. Yicheng has an uncle teaching at the
University of Science and Technology in China, so Yicheng has visited the campus for
several times. In the second summer of high school, Yicheng spent half of her summer
break in her uncle’s place. Her uncle is a professor in physics. This time her uncle
brought her to his lab and introduced her some of the ongoing projects in his lab. Yicheng
also had chances to talk to his students about their programs and campus life. Yicheng
was impressed by the lab and the research projects available to undergraduate students;
however, she felt that the general undergraduate curriculum was too science-oriented,
which offered almost no course in arts and humanities. The other University, Fudan
University, which she had the opportunity to explore in certain depth, is where her father
was pursuing his Ph.D. degree. Compared to the University of Science and Technology in
China, Fudan University has less strong programs in science, but its undergraduate
curricula are more balanced in science and humanities. Yicheng went to Shanghai several
times for weekends in the last year of her high school. Her father brought her to different
lectures, campus concerts, and students’ events. Yicheng admitted that if she did not have
the chance to visit these two candidate universities in depth, she might have a difficult
time to make her mind. But, after her few trips to Fudan University, she found “the right atmosphere” there and made her mind to apply to Fudan University.

As mentioned before, college visits are not a routine expectation in Chinese high school. Among the three middle-class students, two had relatives teaching at universities, which provided them with opportunities to visit certain colleges in some depth – meeting with professors, visiting labs, and attending lectures and concerts. Shuang did not have any family members working at universities. Therefore, although her parents thought visiting colleges was an essential step in the decision-making process about college application, what Shuang could do during her college visits was just walking around on campus and checking out some bulletin boards. Yet, she could still get some feelings about a university by spending time on a campus and therefore determine whether the school was a good match for her or not.

Students from the working-class families and the farmer’s families interviewed in this study did not mention any college visits. To some of the students with high academic achievement, college visits were considered unnecessary. As Peng indicated, he knew he would not go to Beijing for a college education, because it is too far away from home. He wanted to stay close to home because of two reasons. First, the time and cost of transportation were prohibitive. Second, he wanted to be able to come home quickly in case of any emergency. Since the University of Science and Technology in China was the best science university in his desired distance from home, he was sure that it was his only choice. As Peng indicated,

The atmosphere, the campus life, and the dorms’ conditions…those are superficial things. The most important thing is a university’s reputation. The University of
Science and Technology in China has a high reputation for educating the best college students in science, and that’s the only thing I care about. And I don’t have to go to the campus to learn about that.

The students with low academic achievement also indicated that their only concern was to get into a college, and that weather the college was a good match for them or not was not something they worried about. Huifeng put it this way, “To get the college admission is the only important thing. Say, if you visited one college and you liked it but it turned out that you didn’t get the admission, what’s the point to visit it?” Huifeng’s comments represented most of the low SES students’ attitudes about college visits in the study. The majority thought that college visits were a waste of time and money, which were also not expected or supported by their teachers and parents.

9.3.4 Choice Set and Information Resource

According to Hossler and Gallagher’s model (1987), in the search stage, those students who have decided they are going to pursue post-secondary education, they begin to seek information about colleges and universities in which they are interested. Students create a list of these colleges and universities, which Hossler and Gallagher refer to as a choice set. Using this choice set, students begin to examine certain attributes of these colleges and obtain information that will assist them in making their decision to apply to particular institutions. Researchers (Hossler & Gallagher, 1987; Litten, 1982) have found that a wide variety of colleges are chosen to create an applicant’s choice set. The colleges usually differ in size, type (public or private), and cost. Once this choice set has been created, students begin to seek various resources to assist them in their information search.

243
Matthay (1989) point out that the most common and helpful resources are college visits, college catalogs, parents, and high school guidance counselors.

From the case description chapters, we can see that the search stage of the Chinese students’ college decision-making process differs from Hossler and Gallagher’s model (1987) on two aspects. First, the students interviewed in this study all had a very short list of colleges that they would like to apply, usually including two competing colleges of the same type. This can be a result from the Chinese college application process. In America, high school graduates can apply to different colleges and universities, and their applications to different schools do not interfere with each other. As introduced in Chapter 7, the college application process is quite different in China. Chinese students only need to complete one application form, which include all the schools they want to apply to. The application form comprises four categories: military and specialty schools, national key universities, ordinary universities, and training schools and community colleges. Theoretically students can put in four to six schools in order of preference for each category; however, they only have a chance for their first-choice school. Since colleges and universities all require much higher admission scores for those students who do not put their schools as the first-choice, it is almost impossible for students to enroll in their second or third choice if they miss the admission score for their first choice. Responding to this kind of college application process, Chinese students usually have two colleges in mind and then seek information to compare the two candidates. For example, the two universities on Yicheng’s list were Fudan University and University of Science and Technology in China. Yicheng only did the college visits
to these two universities, and all the information she sought was about the program, the curriculum, and the campus life in these two universities.

Second, for Chinese students, the most common resources about colleges and universities seem to be parents, homeroom teachers, and peers. All the middle-class students reported that they first asked their parents about the possible candidate colleges and about the information concerning those colleges and their programs. Taking Wei as an example, his parents collected information about four universities and their architecture schools, took him for college visits to two of them, and put him in contact with professors at his first-choice university. Wei then sought advice from his homeroom teachers about his college choice set. For the working-class students and students from farmers’ families at the key high school, Fuzhong, their homeroom teachers and peers were the two key resources. Peng’s parents were completely absent from his college decision-making process. He learnt about University of Science and Technology in China from conversations with his classmates and then obtained more information about its programs from his homeroom teacher. His homeroom teacher also suggested him to look into Fudan university which enjoys similar reputation for its academic programs as University of Science and Technology in China. Similarly, the working-class students and students’ from farmers’ families at the ordinary high school, Nancheng, all predominantly relied on their homeroom teachers for college support. Some of them, like Xiaomin, communicated their college plans with the homeroom teacher by themselves. Others, like Manyue, were dependent on their parents to obtain information about
colleges from the homeroom teacher for them. Conversations about college plans were less common among the students studying at the ordinary high school.

9.4 Choice Stage

In Hossler and Gallagher’s model of students’ college choice process (1987), the search stage ends when students have decided on the colleges or universities they will apply to and have completed applications for those respective institutions. The final stage of the college choice process is the choice stage. At this stage, students are notified of their acceptance into certain colleges and universities, and they choose to enroll in a particular institution among the available alternatives. In the context of China, the choice stage actually ends when students have submitted their college applications. Because of the particular college admission process in China, students have made their decisions about which college and which major they want to enroll in when they completed their applications. In the following, I will discuss how academic performance and financial resources influence the students’ college decision-making.

9.4.1 Academic Achievement and College Choice

Prior research points out that the family’s socioeconomic status is highly associated with school success (Coleman, 1988; McDonough, 1997; Perna, 2000; Cabrera & La Nasa, 2001; Swail and Perna, 2002). Achievement and ability are in turn determines students’ college choice. According to Hossler and Gallagher (1987), as academic achievements and abilities increase, students are more likely to attend college. This study also found that when students’ achievement has reached a certain point (e.g.
examination scores and class rankings) that is college competitive, the college selection process becomes more formal. Students with higher achievement scores are more likely to aspire for a college education, and more likely to talk with teachers, parents, and peers about their college plans.

The middle-class students, Shuang, Yicheng, and Wei, all expected to attend a prestigious university. Besides the fact that their parents encouraged them to aim high and to apply to their dream colleges, they also gained their confidence from the fact that their academic achievement would allow them to compete for the limited seat in national key universities. The working-class student, Peng, and the student from farmers’ family, Qunhuan, also applied to national key universities. They were both high achievers in science, and had little interest in arts and humanities. Therefore, different from Shuang and Yicheng who applied to science departments in comprehensive universities, they both chose to enroll in science and technology universities.

Huifeng and Xiaomin both had high academic rankings in their class. However, they were also aware of the fact that the percentage of students in the ordinary high school going to college was quite low. They both applied to four-year institutions, which was an ambitious college goal compared to most of their classmates. Nevertheless, they did not include national key universities in their college plans, because they knew as good students in a low-performing school, they could not compete with students from the key high school in the national college entrance examinations.

Students with low academic achievement, like Manyue and Erping, did not aspire for a college education. Erping even mocked at the idea of him going to college and said
it would be a joke if he could make it to college. Under the significant pressure from her father, Manyue claimed that she wanted to go to college; however, she also shared how much she disliked the school and longed to be freed from studying. Not surprisingly, she thus did not have a college plan compared to other students with higher achievement and expectations for a college education.

9.4.2 Parents’ Ability and Willingness to Pay for College

Some researchers (Steelman & Powell, 1989) argue that different types of capital have different impacts on children’s schooling at various points of an educational career. The researchers suggest that social and cultural capital provided by the family have profound influences on students’ academic development in childhood and adolescence, while financial capital’s impact is more significant on their opportunities to obtain a college education. Compared to elementary and secondary education, equality of opportunity to higher education is more problematic because in most countries higher education is only partially subsidized by the government and paying for a college education is largely the responsibility of students themselves and their parents (McDonough, 1997; Fitzgerald & Delaney, 2002; Gladieux, 2002).

Clearly, sufficient financial support from their families is important for students to be able to continue their education on the tertiary level. It is argued that since access is contingent upon unequally distributed parental income and wealth, the better-off families are able to secure a college education for their offspring, and therefore maintain the advantaged positions in the occupational attainment contest (Steelman & Powell, 1989).
In this study, I also found that the extent to which parents were willing to sponsor their children’s college education was highly associated with their family income.

During the interview, parents of the three middle-class students all explicitly expressed that money was never an issue in their child’s college decision-making process. Shuang was hesitant between two universities; one is in Hefei which is only two-hour drive away from home, and the other is in Beijing which is more than two-hour flight away. Although both of the two universities are prestigious and charge the same level of tuition and fees, the living expenses in Beijing and transportation cost are much higher. According to Shuang, those factors never came into her mind when considering these two alternatives. What matters are the reputation of the school, the ranking of the program, and the chance for her to pursue graduate study abroad. Shuang and her parents had many discussions about her college choice and about which major she should take. However, during their conversations never once did they mention money. Shuang’s understanding about college choice was that her choice was only limited by her academic ability. Shuang’s father confirmed that it was also their belief that financial issue should not get in the way of their daughter’s path to college.

Similarly, Yicheng was also considering two universities, one of which is in Hefei and the other is in Shanghai. Like Shuang, Yicheng was not very concerned with college cost. Financial issue did come up in one of the discussions Yicheng had with her parents. She was a little worried that her family did not have enough savings to pay her tuition and fees because her family has been living on her mother’s single salary for almost three years. She was then explicitly told by her parents that money was not the issue and it
should not be one of the factors that influence her decision-making about which college
to go. During the interview, Yicheng’s mother admitted that Yicheng’s father and she
were not very optimistic about their financial situation in the last year of Yicheng’s high
school. However, they did not want Yicheng to be bothered by the financial issue. They
were ready to take a loan to pay for Yicheng’s college education. Nevertheless, they did
not want Yicheng to feel guilty about it and thus choose to settle for a second choice, so
they kept it from her. Yicheng’s father found a well-paid job a couple of months before
Yicheng submitted her college application, which completely changed their financial
situation. Without any worries about money, Yicheng chose to go to Shanghai and now
she is happily attending Fudan University.

In Wei’s case, the willingness of his parents to pay for a good college education
for him was even more pronounced. As mentioned before, Wei did fairly well in the
national unified college entrance examinations and received an offer from Tianjin
University which was the third choice on his list. However, Wei’s parents finally decided
to send him abroad for his undergraduate study because they believed that it would be
better for Wei’s future career development than settling down for his third choice in
China regardless of the fact that the total expense they would have to pay is ten times as
high as the cost of a college education in China.

While middle-class parents were ensuring their child that their college choice
should not be limited by financial issues, low-income families could hardly afford the
tuition and the forgone earnings associated with pursuing college education and had to
make some compromises when making the choice about college and major.
In Juan’s case, her parents forbade her from applying to a university in the far north because of the associated extra costs and also of the fear that Juan would be no longer under their direct supervision. Juan thus ended up going to Anhui Normal University, which is local but a distance college choice for her. Juan was very disappointed by the fact that she would not become a boarding student and would have to go back home for meals. “It would just be like in high school…I wouldn’t be able to fully enjoy the campus life…It’s just so disappointing.” However, the fact that Juan was going to a local university gave her parents a relief on the financial burden. Juan’s mother shared that they probably still had to use all of their savings to pay for Juan’s four-year college education, but at least they did not have to take a loan. According to Juan’s mother, her husband and she always shielded Juan from worries about money in order to not distract her from her study, “‘Just concentrate on your study. That’s your only job.’ We always told her so.” Juan’s mother said. However, this strategy also sent Juan the wrong message that her parents did not have any problem to pay for her college education, while in reality they did. During the interview, Juan expressed her disappointment about her parents for not being supportive in her college application process, “They don’t care about my education and my life. They just want me to stay with them.” On the contrary, Juan’s mother expressed that how much they cared. Her mother’s understanding was that because most of the students in Juan’s class were from wealthy families, Juan did not really understand her own family’s financial situation and her parents’ dilemma.
Compared to Juan’s parents, Qunhuan’s parents, who were both farmers, were much less willing to pay for their son’s college education. Qunhuan’s mother was strongly against the idea of Qunhuan going to high school. Instead, she wanted him to become an accountant in the small village where they have been living for generations, while Quanhuan, full of ambition, wanted to get out of a farmer’s life. With help from his father, Qunhuan finally managed to go to high school. When the time came for him to choose a college and a major, Qunhuan was explicitly told by his parents that they had used up all their savings for his high school education and simply could not afford his college education. Being clearly aware of the financial difficulty his family was facing, Qunhuan decided to choose material engineering as his major. Qunhuan shared that if he had not have to worry about tuition, he would have chosen electronic engineering, which he believed had a better job market. However, the tuition for electronic engineering was 8,000 yuan per year at Shanghai Transportation University, which was nearly the total of his family’s annual income. Therefore, Qunhuan chose to settle for material engineering, which cost a third of the tuition for electronic engineering.

Johnstone (2000) points out that the willingness of students and their families to pay for college education is a function of wealth as well as culture. China is a country in which education has an extraordinary role in the formation and preservation of its culture. John L. Stuart, a U.S. Ambassador to China during 1942-1946, went so far as to suggest that “the history of Chinese education is almost the history of China, for perhaps in no other country has the educational process had such influence in shaping the national life” (cited in Galt, 1992, p. 16). In general, regardless of class-based differences in the
attitude to education, “the Chinese parent, who probably has only one child to begin with, and who has probably always place a very high value on education... is apparently willing to make considerable personal financial sacrifices for their child to go to a university” (Johnstone, 2000, p. 13). It is true that the parents interviewed in this study, no matter how much education they themselves have, all expressed that they valued a college education. However, since low-income parents apparently possessed much less economic resources to pay for it, their child had to make some compromises when it came to choose a specific college and major. Yet, the personal financial sacrifices those low-income parents had to make for their child to go to college were incredible.

According to Peng, his parents had never gone out for a dinner or any type of entertainments since they began to save for his education when he was in middle school. They had been so careful with money that even meat and seafood were luxury food for them and they always saved them for Peng. Peng’s mother never bought new clothes for herself during all of these years. Peng’s father used to enjoy a small glass of liquor with dinner, but he quit three years ago when Peng decided to continue his education at Fuzhong high school. Peng witnessed all of these changes in his parents’ lives and felt guilty about it. Therefore, although his parents asked him not to take financial issue into consideration when making his decision about college and major, money still played a large role in Peng’s decision-making. Like in Yicheng’s case, University of Science and Technology in China and Fudan University were also two candidates for Peng. Yet, Peng made a different choice because of two reasons. First, a variety of cultural events and campus activities at Fudan University that strongly attracted Yicheng did not matter to
Peng. “I’m going to college to study, not to socialize… My only objective is to become an outstanding student and then to find a decent job easily after graduation.” The second reason was the financial issue. University of Science and Technology in China is located in Hefei, where the living expenses are not much higher than that in Wuhu, while Fudan University is in Shanghai, the largest city in China which is notorious for its extremely high living expenditures.

Money was not only a factor in Peng’s college choice process, but also a substantial variable that influenced his decision about college major. When he went to Hefei for the early admission examinations, Peng talked to people in the student office about the tuition and fees charged by different departments. He learnt from the student office that the first two choices he originally had in mind, which were information system and computer science, were too expensive for him to afford. The information system department charged tuition of 8,000 yuan for a year and the computer science department charged 6,500 yuan. Peng could not bear the thought that he might use up all of his parents’ savings for his college education. Therefore, after all of these considerations, he chose chemistry as his major, which costed only 4,000 yuan for a year.

Similarly, Manyue also mentioned the considerable financial sacrifices her parents made for her education. As previously discussed, Manyue has been struggling a lot with her study since middle school. She failed in the high school entrance examinations, her parents thus had to pay extra 2,000 yuan per year to get her in Nancheng high school. She had no luck with the national college entrance examinations either. Since she did not get any admission from any college, her parents had to pay 4,000
yuan for her to repeat the senior year in Nancheng high school in order to get her the second chance for college. Manyue indicated that her parents saved every penny they earned to pay for her education.

9.4.3 Student Loan, Financial Aid, and College Access

Finally, as Johnstone (2002) points out, for a culture that regards higher education as a public entitlement and is averse to debt, students and their families would be more hesitant to borrow for college education. This is also true in China. Receiving a college education for free has been regarded as one of privileges that socialist Chinese citizens could enjoy from the founding of P.R. China. Because of the pervasive belief that higher education should be entitled to those who have proved themselves to have profited most in education, it is a cultural challenge that a student’s chance of continuing his/her education at the postsecondary level depends both on academic achievement and financial ability. In this study, I found that the discontent in tuition charging together with a cultural aversion to debt, students, especially the low-income students and their parents did not want to borrow to pay the university bill.

Huifeng’s parents have made some saving for his college education, but only enough to cover tuition and fees at a community college. That was one of the reasons why they tried to persuade Huifeng to apply for only community colleges. As Huifeng’s father indicated, their family did not feel comfortable with taking a loan. They were proud of themselves for “never borrowing money from other people”. Similarly, to avoid taking a loan for her college education, Juan’s parents did not want to send her to a university that is far away from home, because they wanted to reduce the transportation
cost and other expenses that were related to going out of town for a college. Juan’s mother was one of the few parents who actually knew that there is a student loan program supported by the government. However, she made it clear that even if they had to take a loan, they would not borrow from the bank, because it would give them too much pressure. They would rather borrow the money from relatives and friends. Manyue’s parents have similar feelings concerning a loan. They have already spent most of their saving for Manyue’s high school education. They must borrow to support her college education. Her father said that they probably would take small amount of loans from relatives and friends. Qunhuan’s mother was sacred of the fact that they had to take a loan to pay for Qunhuan’s college education. To her, it was something unthinkable. And, she was not alone. Most people in their village thought they were crazy to borrow to pay for education, and did not want to lend them the money because they thought there was too much risk that Qunhuan’s family would never be able to pay back. Qunhuan finally borrowed enough money for his first-year tuition and fees from the head of the village who had more confidence in the payback of a college education than the majority in the village. He promised his parents that he would try his best to shine academically in college in order to get a scholarship.

As discussed in Chapter 3, there are four different types of campus-based scholarships are available at Chinese universities and colleges. Among them, the National Speciality Scholarship (NSS) and the Career Based Grants (CBG) reflect the special commitment of the central government to favor students in the areas of high priority for the national development, such as education, agriculture, forestry and maritime sciences
(China Education News, 2001; Liu, 2002). However, we need to look at the distribution of financially disadvantaged students in these majors to understand the issue more completely. According to a research conducted in Shaan’xi province (Central Education Research Institute, 2001), the average percentage of low-income students enrolled in these fields of study is very high, ranging from 30 percent to 50 percent. As we know, these majors are less marketable and thus promise less economic returns and less mobility to city locations. Therefore, although such a grant can relieve some financial pressures of needy students for a while, it eventually limits the professional choices of these students whose primary concern is how to pay for their college education.

Among the students interviewed in this study, Juan, Huifeng, and Xiaomin all considered this type of grants as a way to lessen their family’s financial burden. Juan’s parents strongly encouraged Juan to apply for Anhui Normal University because students enrolled in a normal university with the promise to become a teacher after graduation are eligible for the National Speciality Scholarship and also enjoy a certain amount of monthly stipend. Although Juan was not enthusiastic about becoming a teacher, she agreed with her parents that it was a compromise they had to make given their family’s financial situation. Juan said that she would look for a non-teaching position after graduation, and if she could find one with a good salary package, she would not go teaching. As a punishment, she would have to pay the school back for the amount of scholarships and monthly stipends she had received during the four years of college.

It is also common for normal universities to offer non-education majors. Xiaomin is mostly interested in a business major; however, a business department generally
charges a relatively higher tuition because of its popularity. Xiaomin consulted her homeroom teacher about choices for colleges and majors. She learnt from the teacher that a business department at a normal university usually charges lower tuition and sometimes even provides monthly subsidies to students. After consulting with her teacher, Xiaomin decided to stick to her preference for major, but chose a normal university to go. However, it has to be noted that normal universities are generally considered inferior to regular key universities in China. Graduates from normal universities are thus treated as second-rate, especially the graduates from non-education majors from a normal university. Therefore, Xiaomin will receive less economic returns to her college degree because of her college choice.

9.4.4 Making the Final Decision

The final decision about which college to go depends on many factors, which include high school academic performance, parental expectation and support, expected college costs (direct and indirect), perspective future earnings, and college characteristics. Clearly, these factors play different roles in their final decision-making about which college to go and which major to enroll in for students from different family background. For middle-class students, the right college often means a college that has the right academic and cultural atmosphere and matches their personalities. For working-class students, the right college usually means a college that is close to home and charges reasonable tuition and fees. When making the choice about the academic major, middle-class students tend to consider the reputation of the particular program and the opportunities for the advanced study in the future. In contrast, the pivotal factors that
influence the decision-making of students from working-class or farmers’ families about which major to choose are the cost of the program and its marketability – that is to say, the foreseeable economic returns in the job market.
Chapter 10: Findings, Limitations, and Implications

10.1 Introduction

Drawing on cultural capital theory, this study is aimed at exploring the various factors that influence the college choice process of Chinese high school seniors. The conceptual framework of this study is a derivative of Hossler and Gallagher’s model of students’ college choice process (1987). Using a case study method, the research investigates how the family’s cultural capital and economic capital join hands to influence a high school senior’s perception of his/her opportunity for a college education. This last chapter is designed to present the main findings of this study, examine its limitations, and discuss implications for future research and educational policymaking.

10.2 Findings

As the previous chapter revealed, not all students face equal opportunities to college education if they start out with different family background and school resources. The family’s cultural capital, coupled with financial factors, impacts the student’s chance to enroll in college and his/her choice of college. The cultural capital element consists of academic preparation, parental preferences and expectations, and parental involvement. The economic capital element includes parents’ willingness to pay for education and their ability to pay. The cross-case analyses in this study support the propositions of cultural capital theory by demonstrating that families of different social classes transmit distinctive values and cultural knowledge to their younger generation, thus creating a divide between children of upper- and lower-class families. Children from families with higher socioeconomic status (SES) usually
perform better in school than those from families with lower SES because of their possession of societally valued cultural capital before entering the school system. Moreover, parents with higher social positions place higher values on college education, have more information and knowledge about college access and choice, and are more likely to play a positive role in their children’s college decision-making. Students with well-educated parents therefore usually have higher educational aspirations, and are more likely to choose to continue their education beyond high school. In addition, family income also has great impacts on the chance for a student to enroll in a key school on the secondary education level, while school resources and supportive school climate are powerful variables in the student’s college decision-making. Finally, family income also directly influences the student’s chance to enroll in college and his/her final college choice. In short, the family’s cultural capital and economic capital joint hands to impact the student’s college decision-making. In the following, I am going to discuss how each of the five constructs that make up the student’s cultural capital and economic capital shapes the students’ college enrollment behavior.

10.2.1 Academic Preparation

As discussed in the literature review chapter, cultural capital theory and research indicate that cultural capital plays a strong role in determining school success (Hauser, 1995; Cabrera & La Nasa, 2001; Perna, 2000; Perna, 2002). Parental cultural capital and students’ cultural participation have enduring effects on the educational career. Consistent with the findings of prior research, this study also found that a family’s socioeconomic status is positively associated with academic achievement, and academic achievement, in turn, has the
largest impact on college attendance. Students with low academic aptitude are much less likely to plan for a college education, and are also less likely to attend a national key university. To better examine the construct “academic preparation”, I break it into four variables: early family education, reading and learning environment at home, educational planning, and school choices.

First, middle-class children are more likely to receive early family education from their parents, while early family education is found to have a great impact on students’ school experiences and academic performances. Chinese middle-class parents tend to teach their children Chinese characters, train them to practice calligraphy, ask them to recite poems, and cultivate their reading habits and skills before the start of formal schooling. All of these educational practices in early childhood are generally absent in working-class families and farmers’ families. Undoubtedly, with more endowments of cultural knowledge and linguistic skills, children from middle-class families are better able to fit into the formal school environment and to further develop their academic skills. In contrast, students from working-class families and farmers’ families lacking the early exposure to certain cultural activities are more likely to find the school environment hostile and fearsome.

In addition to exposing their children to early cultural activities, middle-class parents continue to provide a more stimulating reading climate and learning environment at home throughout their children’s elementary and secondary education. Some researchers (Crook, 1997; De Graaf et al., 2000) find that reading is associated with academic success because analytic and cognitive skills developed by reading significantly contribute to educational attainment. This study also found that middle-class parents are generally more supportive of their children’s extracurricular readings and cultural activities. Good reading habits and skills
have direct impacts on school performance, particularly achievement in the subject of Chinese.

In recent years, some prestigious Chinese universities started to introduce early admission programs. In the examinations to these early admission programs, the performance on an oral Chinese composition often comprises a large percent of the total achievement score. In this way, students’ linguistic competence also directly influences their college choices.

Finally, educational planning and school choices are the other two variables that found to be associated with academic achievement. With high expectations from parents, middle-class students are more likely to have early and formal college plans. Most of them form their initial college plans in the early influence stage or the predisposition stage and conduct in-depth research on prospective colleges and universities in the search stage. In contrast, students from working-class families or farmers’ families start to think about their educational plans rather late. Only those with relatively good school performances begin to consider their college choices in the search stage, and their college plans are often tentative. Because they do not have clear educational goals and the support from their parents, working-class students and students from farmers’ families are less likely to choose to enroll in a key middle school. Since the Chinese government invests more resources (both financial resources and human resources) in the key middle school, students from a key middle school usually are better academically prepared and thus have a better chance to be admitted to a key high school. Middle-class parents generally make great efforts to have their children enrolled in a key middle school, and then gain a higher chance for their children to be admitted into a good high school and, as a corollary, into the university. Therefore, the examination system in China actually reinforces
and extends the initial cultural advantages that middle-class children have gained from their parents.

10.2.2 Parental Preferences and Expectations

Parental values and norms are among a variety of factors that influence an individual’s decision to participate in higher education. Bourdieu and Passeron (1977; Bourdieu, 1977a) observe that parents with high socioeconomic status have a clear view of how much and what kind of schooling their children should have. They are quite aware of the importance of college education, and are willing to invest in time, effort, and money that higher education requires. Their high expectation has direct impacts on their children’s educational aspiration. As the concept of habitus indicates, students’ decisions to invest in their education, study hard, and go to college depend on students’ observations of other people’s lifestyles in their communities, their view of themselves, and their reflections to other people’s (parents, teachers, and peers) expectation of them. This study also confirmed that those students having well-educated parents intend to believe that they are entitled to a college education. In contrast, working-class students and students from farmers’ families are often aware of the difficulties for a person from their class to get into college, and sometimes self-select themselves out of the college-going track.

Some working-class parents interviewed in this study also claimed that they value educational success and want their children to do well in school. However, those working-class parents still differ from middle-class parents in the level of achievement
they wish their children to be able to attain. Some of them prefer a local university, and some consider a community college is a good choice for their children.

In addition to the differences in the value that parents with different socioeconomic status attach to educational success, the way in which they promote their children’s school achievement is also different. As Xiao (2000) indicates, well-educated Chinese parents are inclined to value children’s autonomy, while parents with less education tend to desire children’s conformity. In this study, most middle-class parents do not establish specific rules about schoolwork and grades, although they universally have high expectations of their children. They create a quiet and inspiring learning environment at home, provide a lot of reading materials, help with schoolwork when requested, and act as a role model to their children. Working-class parents and parents as farmers in this study can be categorized into two groups. Some of them, such as Juan’s mother and Manyue’s father, have explicit rules regarding schoolwork and grades, and even establish some kind of rewarding rules, literally paying their children for doing well in school. They both overtly forbid their children to do any extracurricular reading, and try to help with their schoolwork, sometimes in a very negative way. As Manyue complained, her father’s involvement with her math homework completely discouraged her from thinking independently and made her lose the interest in math. Some other working-class parents are completely indifferent to their children’s school performance, like Peng and Erping’s parents. In their cases, no specific rules about schoolwork from their parents are actually an indicator of their parents’ low educational expectation for them.
Undoubtedly, parental expectation is highly associated with parental involvement in students’ college decision-making. In the following section, I will discuss the class-based differences in parental involvement in students’ college plans.

**10.2.3 Parental Involvement**

Prior research all consistently finds out that parental involvement is positively associated with students’ college attendance (Coleman, 1988; McDonough, 1997; Perna, 2000; Cabrera & La Nasa, 2001; Swail and Perna, 2002). Parents with higher social class are more likely to involve themselves in their children’s college planning and to exert positive influences on the college choice process. Moreover, as indicated by Conklin and Dailey (1981), as parental involvement increases, the likelihood for students to attend four-year postsecondary educational institutions (PEIs) and more selective PEIs increases. Certainly, parental involvement includes all sorts of parental activities, such as providing early family education, helping with homework, and establishing rules for schoolwork and grades, which were discussed in the previous section. In this section, we will look at three variables that are directly connected to students’ college choice process: organizing college visits, assisting to form the “choice set”, and helping make the final decision.

As indicated before, college visits are not routine practice among Chinese high school seniors. Nevertheless, the three middle-class students all had visited the colleges to which they were thinking of applying. Their parents played an important role in organizing their college visits. When Shuang was hesitant between two perspective universities, it was her father who suggested to go to visit the universities to figure out in which one she would feel more comfortable and would get more out of her college years.
The other two middle-class students both personally knew some professors in the universities that they were interested in through their parents’ social network, and thus were able to ask more questions about the particular academic programs and got to know more about the campus life as well. All the non-middle-class parents did not encourage or help their children to make any visit to colleges. As one working-class student, Peng, indicated, getting into college is the most important thing, while which college to go is secondary and whether or not the college is a good match of the student’s personality is the last thing to consider. This kind of thinking and behavior conveys an important message about non-middle-class students’ college choice. Nowadays, more and more parents and students with low SES background have begun to realize the importance of a college education. However, most of them place an importance only on monetary benefits that the investment in college education can bring. Some of the parents, such as Manyue’s father, learnt from their own unhappy experiences with little education that a college education could improve knowledge and skills of an individual, which can bring higher income and higher social status. Although various studies (William Bowen, 1964; Bombach, 1964; Howard Bowen, 1996; Fagerlind and Saha, 1989; Cohn & Geske, 1990) have shown that there are substantial indirect benefits of education to individuals in addition to these monetary and direct returns to educational investments, these non-monetary benefits seldom influence the college decision-making of the students with low SES background.

When students are making the final decision-making about which college and which program to enroll in, parents with different SES background also act rather
differently. Middle-class parents are all actively involved in their children’s final
decision-making. When helping to choose the university and the program, middle-class
parents are more likely to emphasize the reputation of the university, the opportunity for
advanced studies, and the chance to study abroad. Generally, their advice is considered
valuable by their children. In contrast, some parents with low SES background were
virtually absent from their children’s college choice process, such as the parents of Peng
and Qunhuan. Others, like Manyue’s father and Juan’s mother, overly participated in
their children’s college decision-making so much that they either overwhelmed their
children or they took over and made the final decision for their children. Moreover,
parents with low SES background are more likely to take into account the college cost
when advising their children about the college choice and the academic major, which will
be analyzed in the next section.

10.2.4 Parents’ Ability and Willingness to Pay for Education

As presented in Table 3.1, the two constructs representing economic capital are
parents’ ability and willingness to pay for education. As an important aspect of family’s socio-
economic status, family income is closely associated with college attendance (Kane, 1999;
Fitzgerald & Delaney, 2002). By definition, low-income parents possess less financial capital.
On the primary and secondary school levels, the lack of financial capital can limit low-
income students’ access to educational resources, such as books and other educational
objects. As found in this study, low-income parents are less likely to subscribe to
newspapers and magazines, and also less likely to send their children to extracurricular
activities and after-school classes, which have negative impacts on students’ academic achievement.

Another major issue highly associated with family income is the school choice made by parents concerning students’ secondary education. As indicated in previous discussions, middle-class parents are much more likely to pay the extra tuition and fees to send their children to the key school. In this study, the provincial key high school, Fuzhong, charges an astonishing high tuition to students who have missed its admission score in the high school entrance examinations. The total amount of tuition and fees can be as high as the cost of a four-year institution of higher education. Unsurprisingly, none of the working-class parents interviewed in this study chose to pay the extra tuition and fees in order to send their children to the key high school when their children failed the entrance examinations. Yet, as researchers (Hossler, Braxton, & Coopersmith, 1989; McDonough, 1997) point out, high school characteristics, such as the school culture, and high school quality are factors that directly influence students’ college-going behavior. Certainly, students from the key high school have a higher chance to go to college and to go to selective universities.

Finally, parents’ willingness and ability to pay for a college education directly impact students’ college decision-making process. Low-income parents are more likely to take into account the expected college cost when considering the perspective colleges and programs. For example, Juan’s mother considered the tuition and various living expenses and thus limited Juan’s college choice to the local universities, which made Juan end up in a far distant college choice. Some other low-income parents, such as Xiaomin’s father
and Peng’s parents, could not afford to send their children to their first college choice or
their choice for major, although they were willing to make significant personal sacrifices
to pay for their children’s education.

In conclusion, family income directly impacts students’ college choice because of'
parents’ willingness and ability to pay for college education, and also indirectly influences
students’ college planning by interacting with other factors, such as spending on educational
objects and school choices for secondary education.

10.3 Limitations and Implications for Future Research

10.3.1 The Sampling

This study is designed to explore the role of cultural capital and economic capital
in the patterns of higher education participation among different social groups. One key
high school and one ordinary high school were chosen for the study in order to provide a
diverse educational context. The original plan was to randomly choose students with
different family backgrounds from the 12th grade in each school. However, the first
barrier I encountered in my fieldwork is that interviews with students were considered by
the school officials as a big distraction from the intense preparation for the upcoming
national college entrance examinations. The fieldwork was taking place in April, which
was only two months away from the national college entrance examinations. To make
sure that students would not be too distracted by this study, the principal of the key high
school only allowed me to pick students from its science class, which consisted of
advanced science students. The logic was that because these students were better
prepared academically compared to those from average classes, the time spent on
interviews would not lead to a failure in the college entrance examinations. Luckily, there
were a few students from working-class families and farmers’ families. However, they
were all high achievers and college-bound students. Thus, they could be more motivated
and determined to obtain a college education, and their college plans could be more
formal than students with low SES background in average classes. Interviews with
students from average classes might suggest more struggles and problems concerning
students’ college choice process.

Another limitation of the study is also associated with its sampling. The original
goal of the research was to include students from middle-class families, working-class
families, and farmers’ families at both the key high school and the ordinary high school.
To my surprise, I could not find any student whose parents were qualified as “middle-
class” in the ordinary high school. One reason for this problem could be that the ordinary
high school chosen for this study was located in a poor neighborhood and its students
scored below the average in high school entrance examinations even compared to other
ordinary schools. This situation means that the student bodies in these two high schools
are dramatically different in terms of social background and academic preparation, which
makes the comparisons across the schools rather difficult.

As pointed out in the cross case analysis chapter, the three students from farmers’
families studied in this research are quite special cases. The Chinese household
registration system (hukou) divides China into two distinctive sectors: urban registration
(urban hukou) and rural registration (rural hukou) (Wu & Treiman, 2002, p.3).
Individuals with rural hukou generally cannot attend primary and secondary schools in the city. Therefore, the mere enrollment in the city high schools indicates the special status of the three students. One of them, Qunhuan, had an outstanding academic achievement and was thus recruited as a gifted student by Fuzhong high school. Congbo, from a relatively wealthy farmer’s family and with some family network in the city, paid extra fees to enroll in the city high school. The same situation was applied to Xiaomin, whose father actually had an urban hukou. Therefore, one suggestion for the future research would be to include a rural high school in the research design, which will allow the researcher to examine more representative students from farmers’ families.

10.3.2 Schools, Teachers, and Peers

This research is aimed at studying the college decision-making process of students with different social classes. In order to focus on the impact of family background on college access and choice, I intentionally excluded the high school quality as a variable in the conceptual framework. However, during the data analysis, the school quality and culture constantly emerged as a factor anyway. First, the school quality is highly associated with students’ academic achievement. The students from the key high school had much higher average academic achievement than those from the ordinary high school, while academic ability was found to be one of the most important factors that influence students’ college planning. Second, the school culture also has a direct influence on the shaping of students’ aspirations for college. The key high school had higher academic standards for its students and also expected all the students to attend college. Thus, future research should conduct some additional assessment of the school’s role in students’ college choice process.
A number of college access research conducted in the United States studies the role of counselors on students’ college enrollment decisions (Hossler, Braxton, & Coopersmith, 1989; McDonough, 1988 & 1997; Perna, 2000; Cabrera & La Nasa, 2001; Perna, 2002), and indicate their important influences. In the Chinese high school, there are no school staffs who work exclusively on providing individual guidance to students. However, homeroom teachers partially play the role of meeting students’ needs in academic and personal development. In some cases examined in the research, homeroom teachers provided information about college costs and helped make the final decisions regarding colleges and academic majors. Homeroom teachers certainly exerted some impact on students’ college decision-making, especially for those students who could not get useful information and sufficient support from their parents. However, the teacher was not included in the conceptual framework as a variable, and his/her role was not examined in the study. Future research may include the homeroom teacher as a factor that affects students’ college aspirations and planning.

Prior research (Hossler, Braxton, & Coopersmith, 1989; McDonough, 1997; Perna, 2002) also indicates that peers play an important role in the development of postsecondary educational plans. In her research regarding college planning, for each target student, McDonough (1997) also interviewed the best friends to study how the peer subcultures influence the motivation of a student to develop plans for college attendance. Yet, as a student collecting data independently, time and logistic constraints inevitably limited my sample size. Therefore, I did not have the capacity to examine peers’ effects,
and would like to suggest this variable to be included in future research on students’
college choice process.

10.4 Policy Implications

10.4.1 The “Key School” System

One of the obvious conclusions of the study is that there is some overlap between
cultural capital in families and schools. Those students who come from higher
socioeconomic families with more effective cultural capital are more likely to attend the
key school which offers challenging academic courses, holds high academic standards for
every student, and has a school culture promoting going to college. In Wuhu, the middle
school admission policy truly puts families with higher SES in advantage by allowing the
key school to charge exceedingly higher fees than the ordinary school. Moreover, as
indicated previously, because the limited seats available in the key school, working-class
students were very unlikely to get into the key school, because their parents lacked the
strong social network to get them in even if they were willing to pay the additional fees.
The Chinese government invests more financial and human resources in the key school,
so the key school can prepare their students much better academically and then ensure
their success in the entrance examinations to the school of the next level. In Wuhu, key
middle schools funnel most of their graduates to their high school sections, with very
little competition from students from the ordinary middle school. Similarly, graduates
from key high schools have a significantly higher chance to go to college, particularly the
national key university. Therefore, in this way, the Chinese examination system
reinforces and extends the initial advantages that middle-class children have obtained from their family background, and certainly limits the chances for students from a lower social class to receive a college education. The Chinese government needs to reconsider this educational policy which places the priority on developing a small numbers of key schools, which considerably limits the resources available for basic education expansion. Although this research did not study a rural high school, the interviews with the students from farmers’ families still gave us a glimpse on the poor school condition in the rural area. The inferior quality of the ordinary school and the rural school certainly places barriers in the path of academic routes to status attainment, which obstructs social mobility for urban children with low SES and rural children.

10.4.2 The Early Admission Program

Second, the college admission has been entirely dependent on the achievement score in the college entrance examinations since 1977. The examination system has been long regarded as impartial in deciding who gets the opportunity for college education because of the common belief that “before the system of grades, everyone is equal”, although we can see from this study that higher parental SES is certainly associated with better academic functioning. However, in recent years, some prestigious universities introduced an “early admission program” that bases their admissions not only on academic achievement but also on performance in some extracurricular activities, such as drawing and instrument playing. As cultural capital research has consistently demonstrated, students from families with high SES are more likely participate in these highbrow cultural activities. Therefore, the early admission policy could further decrease
the chances for students with low SES family background to enroll in prestigious universities.

10.4.3 The Financial Aid System

Although the Chinese government has recognized the enormous financial challenges faced by low-income students in achieving access to higher education and thus established a financial aid system in the late 1990s, the availability of financial aid is not well advertised. This study found that very few low-income students and parents were aware of the existence of need-based grants and student loans, and had no idea how to apply for them. Moreover, besides the bad publicity, there are quite a few problems with the current financial aid system.

The most substantial problem in the financial aid system in China is the austerity of funding. The grants that needy students can receive are inadequate and far from covering the tuition and fees, not to mention covering living expenses. The average grant needy students can be awarded is around RMB 400 a year in 2002, while the average tuition charged in all levels of the university is RMB 5,000 for an academic year (Liu, 2002). Li and Min’s study (2002) examines the different channels of income for students and their families to pay tuition and fees in Beijing. Their research indicates that the need-based grants account for a very small proportion of the total income, which is only about eight percent (p.10). Therefore, the Chinese government should be concerned with the extremely low capacity of existing sources of need-based aid to provide the access to and choice in higher education.
In today’s fiscal and educational policy circumstances in China, loans are needed to make up the gap between the gross tuition and the grants available to students. Nevertheless, there are a lot of difficulties involved in formulating a comprehensive policy for student loans. A fundamental problem with lending to students is the lack of general availability of student loans in China. According to Johnstone (2002), the general availability refers to student loans “that are available to all eligible students” (p. 3). As indicated before in the chapter on Chinese higher education reforms, only 32% qualified students received the student loans in 2001, and they received about 37% of what they applied for (Jiang, 2001, p.2). Another substantial problem with the student loan program is the high default rate, which is “almost to be expected from student loans absent a culture that accepts the appropriateness of borrowing for higher education and absent systematic and vigorous efforts to secure repayment” (Johnstone, 2002). First of all, China has not established a comprehensive system to evaluate and track its citizens’ creditworthiness (Beemer, 2003). Because of the high mobility of college graduates, it is very difficult and costly to track the students in repayments. Second, the extremely short repayment period is another reason why the default rate is so high. It is not reasonable to expect students repay the loans within four years after graduation. Third, the high rates of unemployment and low-paying jobs among college graduates in China make the loan repayment even more difficult.

In light of the fundamental problems and limitations discussed above, it is clear that there is a long way to go toward developing a comprehensive and justified financial aid system in China to overcome the financial barriers for low-income students to receive
college education. As suggested by a lot of American researchers, an adequate financial package is a necessity to make higher education affordable to all (Cronin & Simmons, 1987; Hauptman & Koff, 1991; Fecso, 1993; Lee, 1999). The package should include need-based grant assistance for the most promising students from low-income families, student loan programs available to all eligible students, and a work-study program. The grants and loans should be sufficient in amount to make possible the enrollment of the financially disadvantaged but academically qualified students. In the following paragraphs, I suggest a few strategies that can be employed to improve the current financial aid system in China by referring to some relative policies in American higher education.

First, the Chinese government should consider limiting merit-based scholarships and increase need-based grants. A lot of research in the American higher education (McPherson & Schapiro, 1998; Gladieux, 2002; Heller, 2002; Lee, 2002) reveals that grant dollars are more effectively targeted on low-income students and do encourage the enrollment. The Chinese government may survey the whole higher education scene and aim to concern itself with students who are most likely not to go to college without its help. The government should minimize the politically popular merit-based scholarships. According to research conducted in the American higher education (Coleman, 1988; Perna, 2000; Cabrera & Nasa, 2001), there is a powerful correlation between good academic performance and high family socioeconomic status. That is to say, students from families of lower socioeconomic status are less likely than others to get high achievements that are good enough to qualify for an award. Therefore, when aid is based
on personal achievements such as academic performance, the students who are most in need of financial assistance to make a college education even possible are the least likely to get a scholarship. One of the arguments for merit-based program is that the presence of merit awards might induce students to perform well in both academic achievements and extracurricular activities, which will in turn bring in more societal benefits (McPherson & Schapiro, 1998). Nevertheless, I believe that the system of selective admissions in China already provides much incentive for good high school performance and a powerful mechanism to choose the most promising students. Within such a system, students who have made their way to universities and colleges are those who are most capable of learning. Most obviously, there is simply no reason from this point of view for the Chinese government to promote the merit-based scholarship.

Second, the problems with the student loan program are also need to be addressed. In this area, the experiences of the American higher education might provide some good lessons. In the early years of the guaranteed student loan program in the American higher education, it had exactly the same difficulties as China is experiencing (Fesco, 1993; Mumper, 1999). On the one hand, low-income students and their families were hesitant to borrow. On the other hand, lenders were reluctant to lend because of high administrative costs and uncertain returns. In order to encourage students to borrow, in the mid-1970s, the federal government began to lower the interest of the student loans and made it well below the prevailing commercial rates. This strategy made the loans more appealing to students, but it made originating the student loans less attractive to banks. In order to address this problem, the federal government compensated lenders with fees and
subsidies for keeping the rates low. Moreover, student loans are largely protected from
default risk by a federal guarantee and thus become virtually risk-free source of revenue
for banks. The federal government also helped set up an agency in each state to review all
student loans and monitor both borrowers and lenders. These agencies are also
responsible for collecting default student loans and paying the lenders any unpaid
principal and interest. As indicated by Fesco (1993), “This complex arrangement has
been remarkably successful at making low-interest capital available to the vast majority
of students enrolled in postsecondary education” (p. 39).

In China, although banks are overwhelmingly state-owned, as for-profit
organizations, they would not be willing to make any investments on student loans unless
they could make a gain from it. Therefore, in order to make the loan amount sufficient,
lenders should be paid a subsidy in addition to the interest charged as students repay their
loans. Second, it is the Chinese government that should shoulder the responsibilities for
borrowers who fail to repay their loans, not the students’ parents as it is now prescribed
in China. Third, the Chinese government may absorb some of the administrative costs
including originating the loans, determining the student’s eligibility, and collecting the
repayments. In today’s China, the government agency, the Student Loan Center, is only
responsible for reviewing application materials to ensure student eligibility. Banks play
an essential role in providing capital sources, keeping track of repayments and making
special efforts to collect repayments. Such a policy seriously discourages banks to make
student loans, which is the reason why banks refused to allocate RMB 400 millions
promised by the government to students in 2001 (Jiang, 2001, p.2).
To make loans more attractive and affordable to students, the Chinese government may also lengthen the repayment period. In the United States, under the federal student loan programs, such as Stafford Loan and Perkins Loan, students have up to 10 years after graduation to repay the loans (Lee, 1999; Heller, 2002). A longer repayment term than 4 years is more reasonable for the government and banks to expect the whole repayment from students. In addition, the central government should pay the interests while the students are still in school. Finally, some researchers suggest expanding income-contingent loan forgiveness as an alternative form of financial assistance (Kane, 1999; Johnstone, 2001). In the United States, the 1992 reauthorization of Higher Education Act created the income-contingent loan option (Kane, 1999). As Kane stated, “rather than continue to base public subsidies solely on a means test that evaluates parents’ and students’ resources at college entry, a large share of the subsidy could be tied to the future income of students through forgiving some part of the loan if the former student earns a relatively low income.” (Kane, 1999, p. 72). The US government also encourages students to pursue some less marketable careers or in a less attractive region by forgiving a portion of the student loans (Johnstone, 2001). The Chinese government may also consider these two policies as options to relieve the students’ pressure to repay the loans.

10.4.4 Increasing Early Awareness and Readiness of College Education

Undoubtedly, financial aid is important to narrow the class-based gaps in college participation. However, as this study has pointed out, merely making financial aid
available to low-income students is not enough to ensure that low-income students have the equal access to college education. As indicated by cultural capital theory and confirmed by this research, cultural capital plays a critical role in determining college enrollment behavior. Therefore, the Chinese government must provide some academic and social support to students with low SES to improve their academic preparation and college readiness. Two early information programs sponsored by the federal government in the United States might give a good example. The most widely known is TRIO programs, which include six federal outreach programs designed to provide students from disadvantaged background with academic and social support so that they can be college ready (U.S. Department of Education, 2008). The more recent establishment of GEAR UP (Gaining Early Awareness and Readiness through Undergraduate Preparation) is another attempt from the federal government to deliver the message to students from disadvantaged social groups that college education is within reach (U.S. Department of Education, 2008). The common goals of those outreach programs are to promote “college attendance, college awareness, and college exposure” of economically and socially disadvantaged students (Swail & Perna, 2002, p. 23). The early intervention programs often involve parents, improve student’s academic skills, engage students in cultural activities, increase student’s self-esteem, and provide information about college and financial aid (Swail & Perna, 2002). Some evaluative studies (The College Board, 2000; Ohio College Access Network, 2005) reveal that early awareness programs can effectively improve disadvantaged students’ chance to enroll in college. Therefore, while recognizing the importance of financial factors in the college access process, the Chinese
government needs to effectively address the non-financial components that impact student’s decision to participate in higher education. Policymakers in China should begin to look at the possibility to develop and launch successful early awareness programs.

10.5 Conclusion

Higher education in China was open to a small proportion of the young adult age group, although generally as a matter of right to all who have passed the rigorous requirements of the academic secondary track until the 1990s. Given such a long tradition of free higher education, tuition-charging is certainly a crucial step taken by the Chinese government in the reforms of the higher educational system. In the past decade, the average tuition charged in Chinese institutions of higher learning has dramatically increased. Escalating college costs are contributing direct pressures on students and their families as career paths are chosen and as factors related to enrollment and retention are considered. In the absence of countervailing measures, it is possible that some low-income students would be forced to terminate their higher education; others would be discouraged from applying for university admission. The whole Chinese society will be affected by a loss of access, choice, and equity. Therefore, the Chinese government needs to search for new and less painful ways for families to pay for college education. How to broaden opportunities, increase fairness, and raise the quality of higher education should be the primary concern of policymakers in China, and require more explorations in the future research.
Appendix A: The List of Universities on the Project 985

1. Tsinghua University
2. Peking University
3. University of Science & Technology of China
4. Nanjing University
5. Fudan University
6. Shanghai Jiao Tong University
7. Xi'an Jiaotong University
8. Zhejiang University
9. Harbin Institute of Technology
10. Nankai University
11. Tianjin University
12. Southeast University
13. Huazhong University of Science & Technology
14. Wuhan University
15. Xiamen University
16. Shandong University
17. Hunan University
18. Ocean University of China
19. Central South University
20. Jilin University
21. Beijing Institute of Technology
22. Dalian University of Technology
23. Beihang University
24. Chongqing University
25. University of Electronic Science & Technology
26. Sichuan University
27. South China University of Technology
28. Sun Yat-Sen University
29. Lanzhou University
30. Northeastern University
31. Northwestern Polytechnical University
32. Tongji University
33. Beijing Normal University
34. Renmin University of China
35. East China Normal University
36. China Agricultural University
37. National University of Defense Technology
38. Central University for Nationalities
### Appendix B: Background Characteristics of the 14 Cases Excluded from the Study

<table>
<thead>
<tr>
<th>Case Number</th>
<th>Family Background</th>
<th>School Type</th>
<th>Gender</th>
<th>Class Ranking&lt;sup&gt;13&lt;/sup&gt;</th>
<th>Parental Education (Father, Mother)</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>Sun Fengyun</td>
<td>Middle-Class</td>
<td>Key School</td>
<td>Male</td>
<td>5</td>
</tr>
<tr>
<td>14</td>
<td>Lei Meng</td>
<td>Middle-Class</td>
<td>Key School</td>
<td>Female</td>
<td>12</td>
</tr>
<tr>
<td>15</td>
<td>Yu Min</td>
<td>Middle-Class</td>
<td>Key School</td>
<td>Female</td>
<td>20</td>
</tr>
<tr>
<td>16</td>
<td>Chen Songxin</td>
<td>Middle-Class</td>
<td>Key School</td>
<td>Male</td>
<td>26</td>
</tr>
<tr>
<td>17</td>
<td>Li Jinwen</td>
<td>Working-Class</td>
<td>Key School</td>
<td>Male</td>
<td>17</td>
</tr>
<tr>
<td>18</td>
<td>Zheng Yuhui</td>
<td>Working-Class</td>
<td>Key School</td>
<td>Male</td>
<td>21</td>
</tr>
<tr>
<td>19</td>
<td>Shi Yan</td>
<td>Working-Class</td>
<td>Key School</td>
<td>Female</td>
<td>24</td>
</tr>
<tr>
<td>20</td>
<td>Guo Qiaochun</td>
<td>Working-Class</td>
<td>Ordinary School</td>
<td>Female</td>
<td>10</td>
</tr>
<tr>
<td>21</td>
<td>Wang Yin</td>
<td>Working-Class</td>
<td>Ordinary School</td>
<td>Female</td>
<td>14</td>
</tr>
<tr>
<td>22</td>
<td>Fang Ziyi</td>
<td>Working-Class</td>
<td>Ordinary School</td>
<td>Male</td>
<td>29</td>
</tr>
<tr>
<td>23</td>
<td>Pan Gang</td>
<td>Working-Class</td>
<td>Ordinary School</td>
<td>Male</td>
<td>35</td>
</tr>
<tr>
<td>24</td>
<td>Zhu Qiang</td>
<td>Working-Class</td>
<td>Ordinary School</td>
<td>Male</td>
<td>47</td>
</tr>
<tr>
<td>25</td>
<td>Xia Guinan</td>
<td>Farmer’s Family</td>
<td>Key School</td>
<td>Female</td>
<td>30</td>
</tr>
<tr>
<td>26</td>
<td>Zhuo Yue</td>
<td>Farmer’s Family</td>
<td>Ordinary School</td>
<td>Female</td>
<td>45</td>
</tr>
</tbody>
</table>

<sup>13</sup> For the key school, the number of students in the class is 45. For the ordinary school, the number of students in the class is 63.
**Sun Fengyun** is from a middle-class family. His father holds a baccalaureate degree in geography and a Master’s degree in politics. He is currently working as a manager of the sales department at a private company. His mother has a baccalaureate degree in Chinese literature and a Master’s degree in literature critiques. She now works as an editor for one of the local newspapers. Fengyun is an excellent student in the science class at Fuzhong high school. He targets his college choices only at a few top science and engineering universities in the nation.

**Lei Meng**’s parents are both college-educated. Her father has a baccalaureate degree in Mathematics, and is a math teacher at an ordinary middle school. Her mother has a baccalaureate degree and a Master’s degree in history, and now is an associate library director at Wuhu Municipal Public Library. Meng is an academically superior student. She plays piano and has strong interest in art history. Her top college choices are the two prestigious universities with comprehensive undergraduate programs: Beijing University and Fudan University.

**Yu Min**’s father has a baccalaureate degree in mechanical engineering, and now is running a small store which hires four employees. Her store mainly sells hand tools, hardware, power tool accessories, and small electronics. Min’s mother has a baccalaureate degree in laws and a Master’s degree specialized in business and financial laws. She is now an associate judge at Xinwu District’s Court in Wuhu. Their annual family income is about 350,000 Chinese yuan, which they claimed is mainly from her father’s small business. Min is an average student at Fuzhong. Her college goal is to enroll in a national key university in some major megapolitan areas.
Chen Songxin’s parents are both college-educated. His father has a baccalaureate degree in electronic engineering, and now works as an engineer at Wuhu Motor Company. His mother has a baccalaureate degree in English, and is an English teacher at Fuzhong middle school. Songxin’s academic achievement is a little below the average in the science class at Fuzhong. Nevertheless, he still wishes to go to a national key university. He has strong interest in aerospace engineering, and the top two universities on his college choice set are Beijing University of Aeronautics and Astronautics and Northwestern Polytechnical University.

Li Jinwen’s parents are both high school graduates. His father graduated from a specialized secondary school which is associated with Wuhu Railway Bureau. He is now working at Wuhu Train Station as a railroad switch operator. His mother also graduated from a specialized secondary school, majoring in early childhood education. She is now a kindergarten teacher. Jinwen is academically well-prepared, and he targets his college goal on two national key universities in the neighboring province – Nanjing University and Zhejiang University.

Zheng Yuhui’s father has a high school diploma. He was a worker at Wuhu concrete factory, but got laid off in 1997. He has a few part-time and short-term jobs afterwards, and he is now a bus driver. Yuhui’s mother has an associate degree in Chinese traditional medicine, and now works as a clerk at a large bookstore owned by Anhui Normal University. Yuhui’s academic performance is about the average in class. His dream college is Shanghai Transportation University.
**Shi Yan** is from a working-class family. Her father is a middle school graduate, and her mother holds a high school diploma. Both of her parents were laid off from Wuhu textile factory in the mid 1990s. Her father now works as a security guard at one of the local hotels. Her mother was re-hired by the textile factory two years later, and is now a fabric worker. Yan was one of the few lucky ones who won the lottery to Fuzhong middle school. Her academic performance is about the average at Fuzhong high school. She only considers colleges and universities in Wuhu or neighboring cities.

**Guo Qiaochun**’s home is only five minutes’ walk from Nancheng high school. It’s a nearly burned-out area. Her mother is illiterate, and unemployed. She sells some home-made preserved vegetables in the farmer’s market in the neighborhood. Her father has a high school diploma, and is a sales person at a local clothing store. Her family income is about 18,000 yuan. Qiaochun is a cheerful and diligent student, and has a good academic record. She wishes to go to a four-year university. However, being aware of the financial difficulties her family faces, she does not plan to go out of town for her college education.

**Wang Yin**’s parents are both middle school graduates. Her father works as a janitor at a luxury apartment complex. Her mother is an assistant at a local tailor’s store. Yin is a joyful girl, and has a positive attitude to life in general. Her academic performance at Nancheng high school is fine. Knowing that students at Nancheng high school are not very competitive, Yin thinks that a community college is a more feasible choice for her.
Fang Ziyi’s parents are both high school graduates. His father was a worker at Wuhu paper factory. He got laid off in 1998, and now he has a night-shift security job at a warehouse. His mother works as a sorter at a local soap factory, who sorts through different kinds of soaps for packaging. Ziyi’s academic performance is about the average in his class at Nancheng high school. He values higher education, but he is not sure if he could make it to college. He thinks the best he can achieve might be a community college.

Pan Gang’s father graduated from a vocational school, specialized in mechanics. His father is a production line maintenance mechanic at the local textile factory. His mother obtains a high school diploma. She used to work for the same textile factory, and was laid off during the mid 1990s when the state-owned industries were massively firing their employees. She is currently unemployed. Their annual family income is about 35,000 yuan. Gang does not think a college education is worth pursuing. He plans to go to an advanced vocational school after high school, and to become a mechanic like his father who has a job with decent pay and good job security.

Zhu Qiang’s father is a high school graduate, who has served in the army for two years. He is now doing some laboring work for a construction company. His mother is a middle school graduate, and now is a waitress at a small restaurant. Qiang has been struggling in school, and shows no interest in continuing his education beyond high school. He takes wait-and-see attitude, and does not have a clear plan for the future.

Xia Guinan is from a farmer’s family. Her father is a middle school graduate, and her mother is illiterate. Her parents do the general laboring work of the farm such as hedging, ditching and drainage. Besides, her father works for the head of the village as a
part-time secretary. Guinan is an outstanding student, and is particular good in mathematics and physics. She is recruited by the special recruiting team from Fuzhong high school. She targets her college goal at a couple of key national universities in the area.

**Zhuo Yue** is from a farmer’s family. Neither of her parents has received any formal school education. Her mother’s brother owns a small restaurant in the suburb of Wuhu, and has hired some relatives from the countryside to work for him. Both of Yue’s parents are now working at the restaurant. Yue thinks that she is not academically ready for a college education. She shares that she will probably work for her uncle’s restaurant after graduating from high school. She might be interested in pursuing higher education later on in her life. She is not explicit about her plan, but does not deny the possibility either.
BIBLIOGRAPHY


State University of New York Press.


http://www.gse.buffalo.edu/org/inthigheredfinance/publicationsLoans1.html

(Retrieved by January, 2006).

Johnstone, D. B. (2002). *Chinese Higher Education in the Context of the Worldwide University Change Agenda*. This paper is adapted from an address to the Chinese Foreign University Presidents Forum held in Beijing, P.R. China, July 2002. [on line] Available: 

http://www.gse.buffalo.edu/org/inthigheredfinance/publications_chinapaper.htm

(Retrieved by January, 2006).


The Economist (October 4th, 1997). *Inside the Knowledge Factory*.


(Retrieved by January, 2006).


(Retrieved by November, 2007)


