

The Moral Education Function of Family Culture in High School Mathematics Teaching

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ABSTRACT. *With the development of social economy, people's material level is getting higher and higher, and they begin to pay attention to spiritual education. Since the 18th National Congress of the Communist Party of China was held, family culture and education such as family style and family precepts have received great attention. "Only when the family's family style is good, the children's education is good, and the social atmosphere is good can the foundation be laid." This is President Xi's evaluation of the construction of family culture. The edification of a good family culture can not only cultivate the ideological and moral quality of middle school students, but also be of great help to their study and life. With the implementation of the new curriculum standards, moral education has gradually been paid attention to, and in people's traditional concept, moral education should be completed by the head teacher or the ideological and moral teacher, while ignoring the cultural influence of other disciplines. High school mathematics is one of the important courses of high school education, which plays a very positive role in promoting moral education. The senior high school stage is the key stage of the development of middle school students, which plays an important role in connecting the above with the following. The edification of good family culture plays a great role in promoting the development of high school mathematics moral education. This paper summarizes the moral education function of family culture in mathematics teaching in senior high school, hoping to be helpful to integrate moral education into mathematics teaching in senior high school.*

KEYWORDS: *Family culture; Senior high school mathematics teaching; Moral education*

1. Family culture and moral education

1.1 The meaning of family culture.

Family culture refers to the sum of values and behaviors in a family. "The so-called family culture type is the thought and behavior type that constitutes the life of the family and the gender group." This is the introduction of family culture by the

great thinkers Pishad and Bor. Family culture is an indispensable part of the social and cultural system. It includes marriage and love procedures, relationship between husband and wife, moral concepts, gender status, parent-child relationship, divorce, children's intention to make a living, family unity, responsibility for parents, and the most important thing is learning accomplishment. China is an ancient civilized country with 5,000 years of cultural history. Up to now, the inheritance of family culture is still of practical significance. The specific manifestations include the improvement of cultural learning accomplishment, the elegance of aesthetic taste, the sublimation of moral ethics, the civilization of speech and behavior, the treatment of people and things, the wisdom of life style, the harmonious family relations, and the improvement of the physical and mental health of family members through various recreational and sports activities.

1.2 The importance of family culture.

“Family is the first classroom in life, and parents are the first teachers of children.” This is President Xi's understanding of family culture and education. Indeed, family culture can affect one's life. If life is compared to a journey, then family is the first stop of the journey. Family culture is the starting point of minors' cultural education. Parents are our first teachers, our initial perception of the world, even the formation of life values and people's pursuit of life have sprouted from this. The Chinese nation has always attached great importance to family education. The traditional family virtues of the Chinese nation are engraved in the hearts of every Chinese and cannot be separated from the Chinese blood. It is an important spiritual pillar to support the Chinese nation's continuous development and inheritance, and a valuable spiritual wealth for the family culture inheritance.

On the one hand, family culture education is conducive to the formation of children's good moral character and affects their life development. “Keep good men company and you shall be of the number.” This is ancient people's understanding of friends' influence. Compared with this, family culture has far more influence on people. On the other hand, family culture education is the foundation of school education. Every child born has no independent thought, and unconsciously begins to accept the influence of family culture. On this basis, he gradually forms his perception of knowledge, and then enters the campus life. The influence of family culture plays a great role in the promotion of school education and also affects the performance of school education. A long-term social study shows that 90% of geniuses have good family culture and education. This fully illustrates the importance of family culture education.

1.3 The moral education function of family culture

Family culture is the starting point of children's ideological and moral education and the place where knowledge sprouts. “Believe what you say, believe what you love.” This is the best proof of parents' influence. Family education is the foundation of school education, while family culture is the foundation of students' cultural

accomplishment. The edification of good family culture is not only helpful to the formation of their ideological morality and correct values, but also can improve their mathematical thinking ability and make it easier for them to learn high school mathematics.

2. Present situation of moral education in senior high school.

With the completion of a well-off society in an all-round way, China's basic education has also developed rapidly. However, although the basic education has developed rapidly since the reform and opening up, it seems that it has lost its soul. The educational development at the knowledge level is becoming more and more perfect, and many professional talents have been trained. However, we have neglected moral education. At present, in some underdeveloped remote mountainous areas, moral education has not been basically launched. Parents also do not pay enough attention to their children's moral education, but only focus on their achievements. The college entrance examination is the first important turning point in life. Parents also want their children to be successful. Therefore, they attach great importance to their children's high school grades and think that the results of the college entrance examination are everything and represent life, so that moral education is neglected. Leaving high school and entering university is equivalent to entering a small society. Simply carrying out knowledge-based teaching and ignoring moral education will make it difficult for young students to adapt to university life, resulting in frequent drop-out of college freshmen. Senior high school teaching should not only carry out knowledge education, but also combine moral education to lay a good foundation for young people in the new era to enter universities and society.

3. The function of moral education to the mathematics teaching

3.1 It is helpful for students to look at problems from a mathematical point of view.

There is not only a lot of theoretical knowledge in high school mathematics knowledge, but also a lot of life experience and mathematics culture. As one of the three giants of science, mathematics has its most obvious characteristic: high logic. Learning mathematics can not only solve knowledge problems related to mathematics, but also cultivate students' logical thinking ability and help students to look at problems rationally from a mathematical point of view. Combining mathematics knowledge with students' life can not only help students to better deal with the problems encountered in life, but also enable students to have a deep understanding of mathematics knowledge and consolidate mathematics professional knowledge. For example, in the function part of high school mathematics, the calculation method of Richter earthquake series is carefully introduced in combination with actual life textbooks. During the learning session, relevant knowledge of manned space flight was introduced in combination with current hot

topics. All these reflect the moral education function of high school mathematics teaching, which can help students to look at problems from a mathematical point of view and better study and life.

3.2 It is beneficial to cultivate students' character and quality.

The subjective thoughts of teenagers in high school are not mature enough. Although they have received ideological education for a long time and have their own views on some things, they are still not mature enough. Therefore, moral education is still important. Integrating moral education into mathematics teaching can cultivate students' firm and calm character and they will not panic when things happen. The teaching of mathematics contains many philosophical laws. The thinking of solving problems must follow strict mathematical rules. Such a long-term thinking mode can cultivate students' habit of doing things according to rules and is conducive to cultivating students' rational thinking mode.

3.3 It is beneficial to understand mathematics from multiple angles and increase interest in learning.

In the eyes of most students, mathematics is a boring subject and cannot find its charm. There is no shortage of beauty in the world, only the eyes that discover beauty. The same is true for mathematics. In high school mathematics, there are many solid geometric figures, polyhedrons, parabolas, etc. and seemingly simple functions that actually contain infinitely changing mathematical logic relationships. As long as you carefully observe them, you can find their beauty and impact on people's hearts. In addition, some calculation formulas that break through the conventional definition will be discovered if you study them deeply. From this, it can be seen that the integration of moral education in mathematics teaching is beneficial to students to discover the beauty of mathematics, enhance students' interest in learning and improve the teaching efficiency of mathematics education.

3.4 It is beneficial to train students' creative ability.

Teenagers are the hope of a country. The times are progressing. Youth in the new era should also follow the progress. Innovation ability is an essential ability in this era. Integrating moral education into mathematics teaching can cultivate students' independent innovation ability. Mathematics has many innovative types of questions, changeable trigonometric functions and colorful solid geometry, which are all the development of teenagers' innovation ability. Integrating moral education into high school mathematics can cultivate innovative talents for the country.

4. How to implement moral education in senior high school mathematics teaching

4.1 Educators change ideas and pay attention to moral education

In traditional teaching, students' attitude towards learning plays a decisive role in their learning effect. Although the attitude of students is very important, the teaching attitude of teachers is also very important. To integrate moral education into high school teaching, teachers' teaching attitude is also very important. In the view of most educators, moral education should be completed by ideological and political teachers or class teachers, but in fact it is not. Many cultures in mathematics also play a very positive role in the formation of students' values and outlook on life. China is an ancient civilization, not only the traditional culture has a long history, but also the mathematics culture is extensive and profound. Mathematics teachers can introduce Chinese mathematics culture to students more. On the one hand, they can make students interested in mathematics, on the other hand, they can increase their patriotic enthusiasm. Mathematics is a multi-faceted subject. To integrate moral education into mathematics requires teachers to explain problems from many aspects. They should introduce both positive and negative aspects so that moral education can play its role.

4.2 Innovating teaching methods and arousing students' interest

High school mathematics is a relatively boring and rigid subject, and students' interest in mathematics learning is not high. Therefore, under the examination-oriented education, students are prone to fear and distance in mathematics, which makes it difficult to learn mathematics. This requires teachers to innovate teaching methods, instead of just outputting them and simply explaining them on the blackboard, they should set up more interesting interest groups in mathematics so that students can find interesting mathematics and stimulate students' enthusiasm for learning mathematics. Students can form their own mathematical models, explore the mysteries of mathematics, turn over the classroom, so that students can become masters of the classroom. While learning professional knowledge, they can also train students' communication ability and language group ability, making students more confident and impressed with the knowledge in the classroom.

4.3 Improve one's quality and set an example

At present, most high school education is a semi-closed education mode. After three years of school life, most of the time except holidays are spent in school, and the teachers are the ones who come into contact with the most. Teachers are both parents and friends. It is very important for teachers to teach by word and deed. The teacher's words and deeds, and his attitude towards others and things are influencing the formation of students' outlook on life and values. Therefore, to successfully carry

out moral education, teachers are the key. In people's subconscious, moral education is the work of a class teacher. In fact, it is not. Mathematics teaching also plays a very positive role in students' moral education. Facing the students attentively and imparting boring mathematics teaching in a more interesting way will enable students to better accept new knowledge. Therefore, in order to better implement moral education in high school mathematics teaching, teachers need to improve their quality and set an example for students.

5. Conclusion

Culture is a country's soft power. There are many traditional cultures of the Chinese nation, and family culture is an important part of them. It also plays a very positive role in promoting the growth of young people. With the rapid development of society, the educational level of teenagers is becoming higher and higher. We should not only focus on knowledge education but also pay attention to moral education. Moral education in high schools is not only the work of schools and teachers, but also parents should play an exemplary and leading role. Family culture plays an important role in moral education for middle school students. Family culture is not only the edification of moral accomplishment and literary accomplishment, but also plays a great role in improving the mathematical logical thinking ability of middle school students. The deep development of moral education is not only the responsibility of the school, but also parents should actively play the moral education function of family culture in high school mathematics education to help cultivate students' rational thinking in mathematics.

References

- [1] Yang Yuanming (2012). The significance and Strategy of Implementing Moral Education in Mathematics Teaching in Senior High School. Correspondence of the Teaching of Mathematics.
- [2] Ye Liqun (1995). Family education theory. Fuzhou: Fujian Education Press.
- [3] Chen Youlin (2014). The Dilemma and Thinking of Moral Education in Middle School. Theory and Practice of Contemporary Education, no.5, pp.58-59.
- [4] Gao Desheng (2003). Intellectual Moral Education and Its Transcendence--Research on Dilemma of Modern Moral Education. Beijing: Education Science Press.
- [5] Ma Hemin (2010). New Social Education Theory (Second Edition).Shanghai: East China Normal University Press.
- [6] Ma Zhenqing (2007). Chinese Culture and its Development Direction in the process of Globalization. Scientific Socialism, no.4, pp.92-95.
- [7] Qiu Jinying (2010). An Analysis of the present situation of soft Power in Chinese Culture. Culture Journal, no.6, pp.18-25.