

RESEARCH ON THE IMPLEMENTATION OF MATHEMATICS CULTURE EDUCATION IN HIGH SCHOOL MATHEMATICS CURRICULUM

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ABSTRACT

With the development of Internet technology and the increasingly frequent cultural exchanges at home and abroad, students' values have been impacted and challenged unprecedentedly. Strengthening students' ideological and political education has also become the only way for national rejuvenation and social construction. High school mathematics curriculum has unique advantages in ideological and political education. Therefore, according to the characteristics of the mathematics curriculum, it is the fundamental task to realize the improvement of students' political literacy, values, and ideological and moral standards. In the process of high school mathematics curriculum education, mathematics teachers should fully tap the philosophical ideas and research methods contained in the concept definitions, theorem conclusions, etc. of mathematics, combine the mathematical core literacy, patriotism, philosophy of life, etc. in the mathematics curriculum, and assume the ideological responsibility of "preaching, teaching, and solving doubts". Therefore, the implementation of mathematical culture education is the only way to realize the fundamental task of establishing morality and cultivating people. In the implementation process, we should adhere to the correct value orientation and strengthen the consciousness of thinking; Follow the rules of students' cognition and press close to student reality; Combine the characteristics of the discipline and pay attention to organic integration; Adhere to the overall design and scientific and reasonable layout.

Keywords: Double reduction, Mathematics culture, Teaching implementation.