

## APPLICATION OF MATHEMATICAL MODELING IDEAS IN SECONDARY SCHOOL TEACHING

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### ABSTRACT

To meet the needs of social development and talent training in the new era, the "General High School Mathematics Curriculum Standards (2017 Edition)" puts forward the core literacy of mathematics discipline, and takes mathematical modeling as one of the six core literacies of mathematics discipline, increasing the importance of mathematical modeling. Combined with the background and concepts of mathematical modeling, this paper aims to study the application of mathematical modeling ideas in junior high school teaching, put forward the problems of mathematical modeling ideas in secondary school teaching, and put forward suggestions for mathematical modeling teaching to promote the development of mathematical modeling.

**Keywords:** Mathematical modeling, secondary school teaching, apply.