

# A Study on the Evaluation System of Core Literacy in Senior Mathematics of Primary School

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**Abstract:** Through the new education system reform, the goal of primary school mathematics education is to combine knowledge, ability, emotion attitude and moral education to lay the foundation for students' all-round development. Especially in advanced mathematics education, students acquire certain knowledge and life experience, infiltrate core literacy in class, and cultivate students' good quality, which is crucial to their learning and growth. This article takes the basic education idea as the starting point of the new curriculum, clarifies the basic subject and basic knowledge, and objectively explains how to infiltrate moral skills in mathematics education of senior primary school.

**Keywords:** Core literacy; Primary school mathematics; Evaluation system; To explore the

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## 1. The value significance of the infiltration of moral education literacy in mathematics teaching of senior primary school

### 1.1 The penetration of moral literacy is beneficial to enrich the teaching content

Primary school is the initial stage of mathematics learning, which enables students to contact various kinds of mathematics knowledge with rich content and extensive connotation, and stimulates students' mathematical thinking and core accomplishment through effective mathematics education activities. Provide cognitive knowledge.

### 1.2 Penetration of moral literacy is conducive to promoting students' development

Throughout the overall development of modern society, excellent talents not only have one-sided knowledge and skills or excellent quality, but also pay more attention to composite ability. It is helpful to optimize and adjust students' thinking, help them analyze problems rationally, guide them to solve problems with mathematical thinking, and develop good core qualities.

### 1.3 The penetration of moral literacy is conducive to the realization of educational goals

If modern mathematics education wants to create efficient classroom and achieve the goal of core literacy education, it needs to comprehensively consider the "sense of teaching" and "sense of learning" to optimize the curriculum design, and on this basis, it is necessary to implement the educational goals.<sup>[1]</sup>

## 2. Current teaching status of mathematics core literacy in senior primary school

### 2.1 Bias exists in educational views

Through the analysis of the current situation of mathematics teaching in primary schools, it is found that there are many problems in the teaching methods that affect the cultivation of students' basic skills, skills and comprehensive quality.

### 2.2 The teaching content is too simple

At present, many teachers take primary school mathematics as their main subject. Compared with primary school Chinese and English subjects, mathematics lacks linguistic flexibility and appeal, and has a high degree of abstract logical thinking.

### 2.3 Traditional teaching ideas hinder the improvement of teaching quality

The traditional primary school mathematics teaching method is mainly based on the indoctrination teaching method. Students learn passively every day, resulting in no interest in learning mathematics and no opportunity to actively study problems.<sup>[2]</sup>

### **3. The role of core literacy in primary school mathematics teaching**

With the reform of education system, mathematics literacy education is an important requirement of new curriculum standards, and mathematics literacy plays a vital role in the future development of primary school students.

### **4. Strategies for cultivating students' core literacy in primary school mathematics teaching**

#### **4.1 Strengthen the infiltration of mathematical culture to promote the development of students' mathematical thinking**

The reason why many students still misunderstand the mathematics knowledge in primary school is that they always think that mathematics knowledge should be learned according to the requirements of teachers or the wishes of parents.

#### **4.2 Focus on core elements and determine the penetration of literacy**

First of all, since logical reasoning is based on basic knowledge, teachers must further clarify the basis of mathematics, so that students can correctly and comprehensively understand basic concepts and theorems, and independently draw general conclusions. Secondly, thinking modeling is the first step for students to solve real problems.

#### **4.3 Rational application of Internet information technology**

First of all, teachers can find more complete educational content on the basis of Internet search platforms, further improve the core classroom curriculum and enrich the curriculum content.<sup>[3]</sup>

### **5. Construct the evaluation standard system of primary school mathematics learning quality**

**5.1 Combine the assessment of knowledge and skills objectives with the assessment of development objectives; Knowledge and skill goals, mathematical thinking, problem solving, emotion and attitude are closely related organic wholes, which are of great significance to human development.**

**5.2 Combination of qualitative and quantitative.**

**5.3 Written test and practical operation shall be carried out simultaneously.**

**5.4 Combine required and optional answers.**

### **6. Application of mathematics core literacy in primary school multiple evaluation system**

#### **6.1 Diversified strategies for procedural evaluation of primary school mathematics**

In the specific activities of daily teaching activities, teachers should not only deeply understand the knowledge and skills of students in daily life, but also effectively indoctrinate students with ideas and emotions. Combined with the performance of students in class, it is helpful for students to have a deeper observation.

#### **6.2 Diversified strategies of summative evaluation of primary school mathematics**

Under the influence of the traditional education concept, the written test can be said to be an important part of the summative evaluation in daily teaching.

### **7. Conclusion**

In the current reform of new curriculum standards, the cultivation of core literacy is the core content, which is of great significance to the establishment and development of diversified primary education evaluation system. This is not only the symbol of strengthening the curriculum reform, but also an important way to highlight the students' dominant position.

### **References:**

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