

# A Brief Discussion on Effective Classroom Teaching of Mathematics in Primary Schools

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**Abstract:** In the context of the new curriculum reform, the national education department advocates that students should develop in an all-round way in morality, intelligence, physique, aesthetics, and labor, and continuously promote quality education. Teachers should combine the actual situation of students, establish a new educational concept for them, and respect students' ability to solve problems and think independently. This requires primary school mathematics teachers to focus on improving students' core literacy to improve classroom teaching efficiency. Mathematics teachers should keep pace with the times, break traditional teaching methods to create a new teaching classroom for students, and make corresponding plans according to the actual situation and learning characteristics of students. Combined with integrated teaching resources, the effectiveness of mathematics classroom can be improved to a certain extent.

**Keywords:** Primary school mathematics; Effective classroom; Teaching

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## Introduction

Most of the traditional primary school mathematics classrooms use the teacher as the center of the classroom to instill knowledge for the students. Compared with traditional teaching, teachers should reform the classroom, conduct extensive research and analysis on the deficiencies in the classroom, and pay attention to it. Establish a radical education and teaching concept with the times, and strengthen the implementation of the view that students are the center of the classroom. This method can not only strengthen the interaction between teachers and students, but also highlights the main direction and focus of primary school mathematics reform. In addition, it can solve the problems existing in traditional primary school classrooms in a timely manner, which can help students solve problems through their own thinking and strengthen practical exercises. In this process, teachers must pay more attention to this issue in order to improve the effectiveness of primary school mathematics classrooms[1].

## 1. Constraining factors affecting the effectiveness of primary school mathematics teaching

### 1.1 Teachers lack the teaching concept of keeping pace with the times

Under the background of the new curriculum reform, it is necessary for all primary school mathematics teachers to establish innovative educational and teaching concepts to attract students' interest in learning, so as to improve students' learning efficiency in mathematics class. However, according to the survey, some primary school teachers blindly adopted traditional teaching methods and did not inject innovative ideas into education reform. Many math teachers only focus on teaching knowledge rather than extending math knowledge to practical life. Practice is the only criterion for testing truth. If the theoretical knowledge taught by teachers cannot be applied to practical life, the effectiveness of primary school mathematics classrooms will be greatly affected. Although many math teachers have many years of teaching experience and can guide students well, the lack of advanced teaching concepts and the application of teaching equipment in the teaching process has greatly affected the effectiveness of primary school math classes. Constraints.

### 1.2 Teachers' teaching methods

As we all know, mathematics is an important subject that develops logic and pioneering thinking. It is a process that requires teachers to solve problems through careful guidance. However, some mathematics teachers lack comprehensive guidance on students' mathematical thinking ability and problem-solving ability in the teaching process, which makes it difficult for students to master a variety of mathematical problem-solving methods with the help of teachers' guidance. What's more, in the teaching process of primary school, in order to improve students' academic performance, many teachers require students to use a unified problem-solving scheme to solve problems. It completely limits the development of students' thinking. Teachers should respect every student, because students are independent bodies of personality development rather than puppets in the hands of teachers. Teachers should establish a people-oriented education concept, and at the same time establish a strong cornerstone for students to better carry out mathematics learning in the future. In the long run, this teaching mode will lead to a serious lag in the cultivation of students' ability to apply mathematical knowledge, resulting in a decrease in the effectiveness of the classroom[2].

### 1.3 Lack of application of new media technology

In the traditional primary school teaching process, teachers are used to writing on the blackboard to explain, but in the context of the new era, advanced new media education technology should be actively applied in the education process. New media technology

can effectively improve students' enthusiasm for learning, because it can create a more lively classroom atmosphere for teachers and students, and can show students the structure of knowledge through more intuitive pictures and videos.

## **2. The importance of teaching classroom teaching activities in primary school mathematics**

### **2.1 Help students deepen their understanding of the history of mathematics development**

The ancient subject of mathematics has a long history of thousands of years in our country. In the long history of our country, there have also been many great mathematicians who have achieved great achievements with their unremitting efforts and research. Therefore, teachers can carry out effective classroom teaching for students in their own practical teaching process, so as to deepen students' understanding of the history of learning mathematics, so as to attract students' enthusiasm for learning and actively participate in the teaching organized by teachers. during the activity. This is of great help for students to cultivate high-quality mathematics talents, and also promotes the effective development of mathematics teaching.

### **2.2 Conducive to cultivating students' mathematical logical thinking ability**

As we all know, mathematics has many characteristics such as thinking ability, logic and strong application ability. Therefore, when students use mathematical knowledge to solve problems, teachers need to stimulate students' mathematical thinking methods to solve problems. Carrying out effective classroom teaching activities of primary school mathematics can cultivate students' mathematical thinking, and it is also of great help to cultivate students' mathematical thinking. For this teaching mode, teachers should combine the application of mathematical knowledge to carry out the combination of mathematics courseware. It can help students better understand mathematical problems and continuously improve their comprehensive quality.

### **2.3 Contribute to the improvement of the core literacy of students in mathematics**

The core literacy of primary school mathematics involves many types, including how to master problem-solving methods and apply mathematical knowledge. Mastering these methods can effectively link the classroom content with the students' way of thinking, and can promote the development of students' logical thinking ability and practical problem application ability[3].

## **3. Strategies to Improve the Effectiveness of Mathematics Teaching in Primary Schools**

### **3.1 Continuously strengthen the study of advanced educational concepts**

In the context of the new curriculum reform, it is required that the content of mathematics classrooms should also keep pace with the development of the times, not blindly adopting traditional teaching methods, but must have a new teaching state and teaching methods to attract students' attention.

### **3.2 Provide timely guidance to students in mathematics learning methods**

The code of professional ethics for primary and secondary school teachers requires all teachers to be fair and impartial to their students, and to be able to teach and educate others, to be a model, to teach students in accordance with their aptitude, and to guide them well. For elementary school students, it is difficult to analyze mathematical problems, so teachers need to actively, patiently and carefully give students guidance, which can help them analyze problems by means of mathematical combination. It is necessary to provide students with answers to corresponding problems on the basis of students' comprehensive understanding of the problems, which will help to achieve corresponding teaching results and help students gradually master their own methods of solving mathematical problems.

## **4. Conclusion**

Under the current background of the new curriculum reform, my country's primary school mathematics teaching curriculum should also keep pace with the times, and use innovative means to change the previous teaching mode and teaching process. Teachers should create a new classroom atmosphere for students through previous teaching experience, respect students' dominant position, give students more space for autonomous learning, and cultivate students' logical thinking ability and innovation ability in order to improve the effectiveness of primary school mathematics classrooms.

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