On the Junior High School Mathematics Education

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Abstract. Mathematics education for students not only to let them acquire knowledge, but also to exercise their mathematical thinking skills through the study of mathematics, which can be used in practice, to master good study habits and learning methods, while other the learning of the subject produces help.

Introduction

There are many ways to measure the quality of a class, but the most basic is the students in this effective 40-minute classroom learning to acquire knowledge and learning methods. Students in the school to obtain cultural knowledge mainly rely on classroom teaching, teachers teach students, their ideological and moral education is also rely on classroom teaching. Therefore, for teachers, the most important thing is to be able to grasp the time in the classroom, to maximize the use of the classroom every minute to complete the teaching task.

High school mathematics has many characteristics, such as abstraction, universality, precision and logical rigor. Teachers in the process of teaching mathematics, we should pay attention to the characteristics of mathematics itself, according to their aptitude, pay attention to the different situations of student learning, while teaching basic knowledge of mathematics, and strive to explore the convenience of combining mathematical knowledge and education to improve the overall quality of students.

Education Itself is a Continuous Development and Innovation Process

Now is a rapid development of the times, now the so-called backwardness is not that you are not motivated, but you work in the work efficiency is low, efficiency is also a measure of your ability to work, so this is no exception in the teaching of mathematics. How can a teacher in a lesson effective within 40 minutes to maximize classroom teaching efficiency, in the completion of teaching tasks at the same time, be able to properly expand, and truly achieve high quality of teaching, is that every educator to reflect on the issue.

Each teacher should have the sense of innovation in the teaching of changing knowledge transfer methods, in addition to focus on cultivating the spirit of innovation of students, both teaching ideas and practical methods, we must be able to break the traditional teaching mode, the entire teaching mechanism A new look. To be able to do something unconventional, open up other people not the same as the teaching mode.

Mathematics teaching is to teach students the activities of mathematical knowledge, but also the exercise of mathematical thinking activities of students. In the traditional mathematics teaching, most of them focus on imparting knowledge and instilling the thoughts and theories of the predecessors, which is a spoon-feeding teaching method. This method limits the development of students' mathematical thinking to a great extent. Therefore, in mathematics teaching, should be combined with changing teaching methods rather than a single student to fill knowledge, the use of graphics changes, the combination of symbols and proof of the form of the title, to students in a more intuitive image, the students thinking ability and judgment ability get more full development. This is also the ability to cultivate students' awareness of innovation and transformation of thinking, to solve problems in the use of a variety of solutions, in practice, you can learn by analogy.
In mathematics classroom teaching, teachers should create a relaxed and pleasant classroom atmosphere. Because psychology shows that a person only in the psychological freedom can be released under the maximum conditions, will produce innovative consciousness. This psychological freedom can not be bound, can not be blamed, when the environment is extremely relaxed, there are no binding constraints, a person's thinking can be more freedom, and expression will become stronger. Thus students in this relaxed environment to learn, physical and mental health will be fully developed, which can be imagined and imaginative, enhance their sense of innovation, so that teachers can better teaching.

Each lesson should have a focus, and the focus is to ask the teacher to carry out classroom teaching around it to start. In order to better enable students to clear the lesson of the difficulties and difficulties, teachers can be taught in the classroom will be brief on the content of teaching written in the corner of the blackboard, so students will be able to know the lesson to talk about the general content. Teachers in the process of teaching, teachers should focus on highlighting the important chapters of learning, teachers can use aids, writing on the blackboard, multimedia, etc. to teach, in order to more intuitive to deepen the impression of the students to make it a good understanding and application.

Pay Attention to the Change of Students' Psychological Activities in the Process of Math Teaching

Students often have different attitudes toward math learning. They do not ignore it, but learn differently. They are often happy and happy when a student is able to perform their tasks with ease and ease; but when learning tasks fail, they feel sad and upset; in exploring new ways of thinking or solving problems in the learning process, Will feel proud and pleased. Although these learning experiences are not directly related to the cognitive activities of mathematics, it indirectly influences the students' learning mathematics greatly. Therefore, pay attention to the psychological state of students not only for improving the enthusiasm of students to learn mathematics is very important, but also cultivate the students' ability and quality. Therefore, this emotional education should be able to kick the students in the learning process of the stumbling block, rather than a hindrance.

Each teacher should not ignore the psychological state of students, with emotional learning is most likely to affect the students' learning efficiency, if they are with a positive and optimistic attitude, such as happiness, happiness, etc., they will be more likely to take the initiative to accept knowledge, Can play a role in promoting their learning. But if it is with negative emotions, students may have boredom, learning can not get interested, that their learning is passive, so the teacher should pay attention to the students' mood, and guide them to the positive direction, step by step Stimulate students' interest in learning.

The Success of Mathematics Teaching and Learning Interest and Students Have a Direct Relationship

If students can be actively involved in the study of mathematics, then learning mathematics is not a problem. Want to let students play their own initiative, learning autonomy, is to let it have the power, the basic source of this motivation is to stimulate their interest in learning.

Students are the mainstay of learning. Therefore, it is very important to let the students master the initiative of learning by taking the lifelong development of students as the concept. They can not let the teachers do the spoon-feeding teaching. This teaching can not replace the students' Often emphasizing the ability of students to have self-learning, because the teacher is only a guide to the role of knowledge and give full play to students' subjective initiative, so that students as the center of teaching activities is to achieve classroom teaching to improve the efficiency of the most effective way. To the spirit of the concept of service for students, all teaching and learning activities are carried out around the students.
The process of learning is not a passive acceptance of the process, learning should take the initiative to accept knowledge of students, students in learning to experience the joy and achievement, if the students have no interest in learning, then this class is absolutely boring. Therefore, if teachers want their class to succeed, it is necessary to let students fly easily.

**Good at Observing Things Around, Starting from the Appearance to Explore Its Original Face and the Deepest Essential Features**

In the observation of mathematics teaching activities, it is required to be able to perceive the quality and quantity of objects, that is, to be able to view the basic structure, including some words and symbols represented by the formula and graphics. Thus observation is not passive to be able to accept, but to take the initiative to actively watch, it is also the basis for the development of student thinking. Then this requires the students in the process of training students to observe the process, we should pay attention to students in the training of students to observe the comprehensiveness and accuracy. Because the training of students thinking ability, we must combine observation and thinking training, pay attention to the full excavation of the characteristics of the observed object. So that students through observation, so that students of abstract thinking and mathematical thinking to gradually achieve the logic and application.

**To Create a Learning Atmosphere of Equality between Teachers and Students**

We must first establish the equal status of teachers and students. In the classroom teaching, to be able to teachers as the main body, supplemented by students, this does not mean that the status of the level, but the role of teachers is only the guide students to learn, they are so personality. Teachers can not stand on the podium full of leadership, but should go down the podium to narrow the distance with the students, in a full state of mind to face every student, so that students feel the teacher approachable, and then be able to treat like friends and teachers to interact, actively participate in learning to go.

The psychological narrowing the distance with the students. Teachers should have a clear concept of equality, and have the most peaceful attitude to the students. Teachers can not be in a superior attitude to contact them, they will have a psychological fear of teachers, but should be more concerned about their identity as a friend, take the initiative to ask them in life and learning problems, and give them advice, Efforts to narrow the distance between each other, handle the relationship between teachers and students.

Understanding and caring for every student. Care students are the responsibility of each teacher, the students' awareness of the teacher is also the main driving force of their learning, like a teacher will like the course she taught, so naturally there will be learning initiative.

**Control the Classroom Order**

A good classroom is bound to have a good order, and good classroom order is a guarantee of efficient learning. Imagine, in an orderly classroom learning and in a classroom learning disorder will have a great impact on student learning? We all know that the story of Meng Mansan moved, it tells us is the importance of the environment. Consider a teacher's teaching ability; the degree of control of the classroom is one of them. In the new curriculum reform in the form of teaching more flexible, more and more students to discuss the exchange, but some teachers are not better management of the classroom, leading to classroom discipline out of control, so that students not only failed to communicate the purpose of learning classroom Knowledge, which is really worth the candle

**Conclusion**

Mathematics has a mysterious appeal since ancient times, its body has a unique beauty, so many people over the years have been pursuing its footsteps. In many people's eyes, it is a symbol and a
symbol of reason. Proportion of the body can be said to be the golden ratio. Pythagorean theorem on the simple expression of the triangular relationship between the three sides, reasoning proves that many people fascinated by the problem, how many people have Sudoku's mobile phone game. Life is inseparable from mathematics, not everyone can discover the unique beauty of mathematics. Including modern architectural principles, and so can not be separated from the use of mathematical knowledge, other disciplines such as physics, chemistry, are also based on the mathematics of this discipline, the impact of mathematics on people's lives is really far-reaching.

Mathematics education To have rational thinking and integrity of personality, many people questioned in addition to learning mathematics in addition to meet the ordinary operation of what other substantive use? These people are wrong; each subject of learning must be beneficial and harmless. People with good math ability can often show in the work, they often work less often than the number of errors, the rigor and precision of mathematical thinking to make it more careful thinking and expressive ability.

In short, classroom teaching is the main body, but also the most important part of teaching. Teaching activities is the activities of both students and teachers; one can not ignore the role played in teaching activities. Only the effective combination of the two together can create truly efficient classroom. Give full play to the dominant position of teachers, to better guide students' lives and learning, physical and mental health of students to be fully developed, they will be interested in learning to go in order to meet the good teacher's work, and then the maximum limit Improve the efficiency of teaching teachers.

References


