New Teaching Mode in Big Data Era: Knowledge Teaching and Internalization Complementary Fusion

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Abstract: With the continuous development of information technology, the emergence of big data has brought a positive effect on different industries. In particular, the education work of our country, based on the big data to carry on the education work to the student, the knowledge imparting and the internalization complementary fusion, is the inevitable result of the times development, the student in the study period formal thinking ability formation critical period, this period education work is very important, not only must pay attention to the student's cultivation and the development, but also must take into account the student's logical thinking ability cultivation. Through this stage of study and life, teachers can use the teaching mode of the big data era to cultivate students' thinking ability, let students think from the core of the problem, improve the quality of teaching, and stimulate students' desire to learn mathematics independently.

1. Introduction

The arrival of the big data era My country Education Work Has brought about earth-shaking changes, especially Network Education Different resources, based on different Education Way, yes In different ways To impart knowledge to students so that they can Through learning, mastering Theoretical knowledge and internalization of knowledge into flexibility use, form self the ability to find, analyze, and solve problems.During this period, need The teacher guided the students gradually with patience In the era of big data, learn to live in harmony with the network content, find suitable ways to learn and obtain effective learning resources, let students actively participate in learning, play the ability of autonomous learning, expand the ability of thinking, fundamentally improve the core literacy.

2. Current Situation of Contemporary Education and Teaching

2.1. Traditional Teaching Ideas Do Not Conform to the Requirements of the New Curriculum Reform

Many teachers are highly qualified, they are used to the traditional teaching mode, the usual teaching policy is the sea of questions tactics. This is because the teacher didn't set up the teaching content to help the students, the way the students understood the problem was just a conditioned reflex. Looking at this kind of problem-solving thought, the short-term is effective, but the long-term citation, will certainly hinder the student's thought development[1].

2.2. Teaching Equipment Does Not Meet Teaching Requirements

Teaching equipment is to help teachers put some complex, abstract content, with the help of teaching equipment can show more detailed tools. These devices can help students quickly understand abstract teaching content and facilitate the development of teachers work. Teachers use the teaching equipment to make the complex abstract content more concrete, help students to show the teaching content better, and let the students Willing to participate in the content of learning to understand different knowledge Charm.But in the actual teaching process, many School because of teaching Equipment The lack of the abstract cannot be satisfied Converted to specific content Learning work, work Teaching effects Presented Not enough Ideal[2].
2.3. Low Attention of Students Affects Teaching Progress

Traditional education and teaching methods, Make the course boring, and there are so many students in a class that the teacher can't estimate all the students in the class in the effective time, under various conditions, the students are for the class Disadaptation The situation, coupled with the poor self-control of students, active, like to answer the situation, seriously delayed the progress of teachers, students' performance will distract the teacher and increase the difficulty of teaching.

3. Exploration on the Content of Knowledge Imparting and Internalization

The exploration of knowledge imparting and internalization complementary fusion content to improve the level of education and teaching big data era education mode should break through tradition, change the serious and tense classroom atmosphere of traditional curriculum, make the classroom more active, and actively guide students to participate in the study of classroom content. Make students occupy the position of the main body of learning, with the new educational concept of positive interaction, overturn the single teaching mode, through the interaction between teachers and students, let students understand the content of the knowledge learned more clearly, and improve the efficiency of learning (see figure 1). In this kind of teaching mode, it is no longer the teacher's teaching preaching, but the game, teaching aids, courseware and so on are effectively integrated into the explanation of the classroom, so as to close the distance between the students and the mathematics, and promote the effective interaction between the teachers and students[3].

![Figure 1 Big data integration](image)

Reducing Students'Learning Pressure Examination-oriented education has deprived many students of their freedom from primary school. Every day is endorsement, do questions, listen to the class, lost the growth due to happiness. The Big Data Age Education New mode of teaching Promote simplified learning process to help students relieve stress Knowledge transfer and internalization and complementary integration To ease students'learning, relieve their past learning pressure, help them learn in happiness, and then improve their learning effectiveness.

The traditional teaching mode of arousing students'interest in learning is monotonous. Students only watch the teacher's board secretary explain the content in class. In particular, some of the educational content itself is very abstract, students in this case, will find the content of learning difficult, and the content of learning is not interesting, and their current life has little connection, resulting in weariness. The new mode of education and teaching in the era of big data can change the traditional teaching mode, quote the mode of situational Q & A, game teaching and so on, and use the students' nature of active and curious psychology to increase their interest in novelty. Such a teaching method will make students curious about the content of the course, and increase their own attention to listen to the teacher's explanation. Through such a teaching model, students have a strong interest in the teaching content. Teachers should also according to the teaching content, constantly improve the teaching model, let students have a positive learning motivation, in a cheerful atmosphere to learn knowledge to cultivate ability (see figure 2).
The traditional teaching mode focuses on the explanation of book knowledge, and does not include the cultivation of students' comprehensive ability. So that students will only according to the teacher's explanation of the way to solve the problem, but not according to their own mode of thinking, to think about why to use this method to solve the problem, not to mention a variety of methods. And the new mode of education and teaching in the era of big data, pay more attention to the development of students' creative ability, in the content of students' acquisition of knowledge, learn to reflect, create, integrate, not only improve students' learning ability, but also effectively expand students' ability to think about problems, and comprehensively improve students' comprehensive ability training.

4. Effective Strategies for Complementary Integration of Knowledge Teaching and Internalization

4.1. Rational Preparation of Teaching Plans

The new mode of education and teaching in the era of big data needs teachers to help students to sort out and explain the rules for students with more clear logical thinking. Only in this way, can we use what mode of teaching the course content to be told, and be better understood by the students. Only when the teacher is well prepared, can the teacher choose the teaching mode reasonably according to the students' performance and enhance the students' participation (see figure 3).
4.2. Use a Reasonable Teaching Model to Develop Students' mability to Think Independently

The classroom is both teachers and students, and the teaching environment is very important for students to absorb the degree of knowledge. Therefore, in the classroom, teachers should be good at quoting different teaching models and promote the interaction between teachers and students. The common teaching modes are scene creation method, multimedia technology citation method, combined life method and so on. The core of these contents is to attract students' attention, increase students' active participation in teaching content, and let students feel that learning is happy and interesting. The teaching mode used by teachers must keep pace with the times. In this way, students should be encouraged to participate actively in the content of classroom discussion, and then realize the extension from interesting problems to thinking content. The rational use of situational Q & A model can stimulate students' active learning psychology.

4.3. Efficient Use of Teaching Resources for Effective Interaction With Students

With the popularization of intelligent terminals, the teaching resources cited by teachers should also keep pace with the times. Through the media attributes of various app, promote the interaction and communication with students, so that the mobile phone is no longer a stumbling block for students to learn, but a cornerstone of connecting education. Teachers can reasonably use tools such as WeChat to establish effective interaction with students, and can also share learning resources for students in WeChat. In addition to WeChat, there are many apps that can be tried, such as course push reminders, teachers send courseware, content tests and other content to students in advance before class, so that students can do a good preview of the new class, but also train students' logical thinking, stimulate students' desire for knowledge to the greatest extent, and mobilize the classroom atmosphere.

4.4. Enrich Life After School and Build a Diversified Learning Environment

Although the current learning of knowledge content is relatively abstract, but these knowledge and life still have a close connection. Teachers can set up some common contents in life to integrate into the teaching content, so that students can learn more about what they have learned through the common life content. Focus on stimulating students' subjective initiative, through interaction, role exchange and other teaching methods to cultivate students' logical thinking ability, divergent thinking ability, such teaching content, can fully link with the actual life and can combine with textbook knowledge, stimulate students' desire to learn independently, through the way of science education, learn to observe, learn to listen, learn to use different ways to express their own views, build a scientific attitude towards things, and then through this way to stimulate innovative thinking, improve the ability of independent innovation.

5. Conclusion

With Network Information Technical Development, the network is full of massive data content, these content can help students to solve the current needs, teachers need to constantly explore new ways of education and teaching, to attract the attention of students, through different teaching methods to make the book boring knowledge more vivid image, in addition to, teachers should be more strict with themselves, have the patience to help students complete the training of logical thinking, let students play a role Imagination The use of interest to develop their own ability to explore, will learn Knowledge Get Internalization, final completion Students Cultivation of Core Literacy Process.

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References

