

Exploring Effective Teaching of College Mathematics in the Era of Internet +

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Abstract: Internet + education has become an important development direction of China's education. Under the background of Internet plus, the teaching of traditional university mathematics has been improved gradually. However, there are still many problems in college mathematics teaching, which have a great impact on the teaching effect. How to apply Internet technology to mathematics classroom teaching in the university stage? China is a problem worthy of study. This requires teachers to use Internet technology to prepare courses in advance, design classroom links, promote classroom atmosphere, interact with students and summarize classroom effect in the ordinary teaching process. So as to improve the learning efficiency of students, so that students can better grasp the learning knowledge. With the continuous development and progress of science and technology, the trend of internet teaching is inevitable. This paper aims to explore the effective teaching of College Mathematics in the era of “Internet +”.

1. Introduction

In the contemporary education mode, teachers' teaching methods are also constantly improving and improving. In order to make classroom teaching no longer single and solid, using modern Internet technology combined with classroom teaching is the most common way so far. University mathematics knowledge for many students are more profound and difficult to understand, so many students give up mathematics, so teachers need to combine the current popular Internet technology and classroom content to let students regain their confidence in learning mathematics. Information technology has become a necessary tool for people's life and work [1]. In today's education reform, we should also keep up with the pace of the times, and apply the convenient and fast Internet technology, which not only makes the teaching method novel, but also reduces the time for teachers to give lectures, so that students can learn a lot of knowledge through the Internet. Internet + refers to a way of reform that integrates Internet thinking mode and technological innovation into other fields and produces tremendous innovation power. “Internet + mathematics teaching” is an integral part of educational reform under the background of the Internet era. It shows in the acquisition of teaching resources, the application of teaching methods, the channel platform for teaching and communication, and the evaluation of teaching effectiveness. New characteristics of the times. The author believes that the power of “Internet +” transformation has significant practical significance in the teaching innovation design of university mathematics classroom. “Internet +” has realized the development of innovative design of university mathematics classroom teaching in breadth. First is the breadth of content. In the era of “Internet +”, information sharing and interaction have been unprecedentedly highly developed. In the design of college mathematics classroom teaching, teachers should give full consideration to the rich and varied teaching resources in the Internet age, and the extent of students' acceptance of information, so that more useful teaching resources and information can be integrated into mathematics classroom teaching, so that mathematics can be taught. The content of classroom teaching is more abundant.



Fig.1 Application of Smart Cloud Platform

2. Advantages of Applying “Internet +” in College Mathematics Teaching

2.1 Application of Internet Technology Helps to Improve Students' Initiative in Learning

With the continuous progress and development of science and technology, the traditional mathematics teaching mode can not meet the requirements of the development society for the quality of teaching, but also can not meet the requirements of today's society. In the teaching process, the use of the Internet is put into use. Internet teaching is mainly through the combination of pictures, words, videos and sounds. It can break the limitation of time and space, show the knowledge content incisively and vividly, and make students feel novel and interesting, so as to improve their initiative and efficiency.

2.2 The Application of Internet Technology Helps to Lighten the Burden for Teachers

The Internet is mainly supported by the network. It is convenient and fast in searching information and information transmission. In this regard, it can provide teachers with good lesson preparation content. Through the use of the Internet, it can analyze and summarize students' learning situation, and then make corresponding teaching plans according to students' learning situation, so as to reduce teachers' lesson preparation pressure and save a lot of lesson preparation Time [2]. Teachers can spend more time on helping students to learn.



Fig.2 Personalized Learning System

3. The Application of “Internet +” in College Mathematics Teaching

3.1 Changing Teaching Methods in Class

Long this makes many students easy to exert too much pressure on themselves in the normal process of mathematics learning, so that some students' uniforms full of enthusiasm and expectation for mathematics are also engulfed in the vortex of “high score” and “sea of questions”. In the long

run, their enthusiasm will be exhausted, lost their original enthusiasm on the way of learning, and lost their direction completely. Although this kind of learning method can achieve some results in a short period of time, most of the students in the University case are relatively dispirited in their normal state and have not made a clear plan for their future. At present, they just want to get involved in graduation. However, with the development of the Internet, people's psychology has quietly changed and students' learning has become more diversified. In the past traditional mathematics teaching, it can be found that the boring teaching method is not suitable for students to carry out thinking activities, but also is not conducive to students' understanding and memory of the teaching content, so teachers are required to use the Internet technology to develop students' mind Thinking mode, so that students can solve their own problems in the classroom. Teachers use Internet technology to transform abstract mathematical theoretical knowledge into real voice and image [3], so that students can understand the classroom teaching content through specific voice and image to deepen memory, improve students' ability to overcome difficulties independently, so as to expand students' thinking ability in many ways, so that students can solve problems in many different ways.

3.2 Carry out New Teaching in Class

In college mathematics classroom teaching, use Internet technology to design a scientific teaching content. For example, when students review, they can play relaxing light music, so as to relax their brain nerves. Also, use the Internet to lead students to deepen their knowledge point memory, create a teaching situation for students, so as to improve students Practice enthusiasm. Internet technology can also guide students to participate in extra-curricular Internet creation. For example, teachers can assign students to select appropriate pictures and videos for teaching materials, find corresponding pictures for mathematics teaching contents, compile introduction materials, etc. Finally, they can show it through Internet in the classroom, and the classroom contents compiled through their own efforts can make students proud So as to improve students' interest in learning physics.

3.3 Teachers Need to Recognize Their Own Position Correctly

In the traditional values of our country, teachers are usually the leading role in the classroom, teachers are the leading role and students become the supporting role in the passive mode. In the whole process of teaching, students listen to the teacher's instruction and command. This kind of teaching mode can't effectively activate students' wisdom, let them find problems and solve them. In teaching, students are often afraid to put forward their own real ideas because they are afraid of teachers' criticism, that is, students are often afraid to ask questions in class [4]. However, with the development and popularization of the Internet, it is also put into use in the teaching of courses, which makes students communicate with teachers without "face-to-face". In some ways, it enhances students' self-confidence, because this way can reduce their tension and oppression in the face of teachers. At the same time, teachers can help each student to solve the learning problems without "one-to-one", and communicate with students through the form of internet teaching. Teachers should also constantly learn and practice, and strive to strengthen their communication ability with students. The communication between teachers and students is a very important "bridge" between learning and teaching, and often only through correct communication can they achieve the correct meaning that the other party wants to express. Teachers must adjust their professional orientation according to the trend and change of the times. At present, with the development of the Internet and the popularization of resources, the leading position of teachers in our country can and has been adjusted and changed accordingly. It is no longer the traditional teaching mode in the past, so that teachers can better guide students to learn and communicate.



Fig.3 The Impact of the Internet

4. The Integration of “Internet +” and College Mathematics Classroom Teaching

In the process of the integration of Internet technology and junior middle school mathematics classroom teaching, we should use the way of students' interest to improve students' interest in learning. Interest is the key factor of students' active learning. But in the traditional mathematics teaching, the mathematics classroom teaching is all by the teacher on the platform, the student listens below, the student's study way is too passive, cannot improve the study efficiency at all, the classroom teaching atmosphere is also very boring. Therefore, the reasonable application of Internet technology in mathematics classroom teaching process, using interesting words, images, videos and music to carry out mathematics teaching [5], can make the rigid mathematics classroom become vivid, and thus enable students to improve the learning of mathematics, and also improve the learning efficiency of students.

5. Conclusion

Internet technology has been widely used in the teaching of various subjects, of which the teaching results are self-evident. This technology has become an essential tool for today's education reform and innovation. In order to do well in the reform and innovation of education, we need the joint efforts and progress of educators. In the education work, we need to scientifically allocate the teaching resources, improve the teaching level and ability of teachers, and strengthen the investment of human and financial resources, so as to fundamentally provide a strong guarantee for internet teaching. Two of the most prominent applications of Internet technology in college mathematics teaching are teaching atmosphere and teaching methods. Therefore, in the process of teaching, teachers should pay attention to the creation of a relaxed teaching atmosphere, and at the same time adopt a diversified and interesting teaching method, in addition to encouraging students. Through these ways and means, students can feel the fun of learning, enhance their confidence in learning and have a strong interest in mathematics. The main purpose of using Internet technology to improve mathematics classroom teaching is to improve the quality of mathematics classroom teaching..

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