

The Analysis of Computer Teaching Mode based on Modern Educational Technology

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Abstract: With the continuous advancement of computer technology, the computer teaching mode has been rapidly developed on the basis of modern educational technology. This new computer teaching mode has greatly promoted computer teaching. This paper mainly explores the application of modern educational technology in computer teaching, and analyzes the limitations of traditional computer teaching mode, several teaching modes based on modern educational technology and the advantages of computer teaching mode based on modern educational technology, to constantly explore new computer teaching models to improve the quality of computer teaching and teaching efficiency, thus truly promoting the healthy development of education.

1. Introduction

Modern education technology is mainly based on information technology. The most typical is the emergence of multimedia and network computers. The latest multimedia computer teaching platform is used in the classroom to show students a variety of teaching content. Because the teaching requirements of computer teaching are relatively high, and more emphasis on practice and application, it is necessary to use the latest computer technology to convert text, sound, image and other information into dynamic information and introduce it into the computer teaching process in time, which not only enriches the classroom atmosphere of computer teaching. And it has a great role in promoting the overall computer teaching effect [1].

2. Problems faced by traditional computer teaching mode

At present, the traditional computer teaching mode still occupies an important position in the teaching process. Although there are certain advantages, such as the leading role of teachers, and the unified management of students, the traditional computer teaching mode also exists. Many shortcomings, the following analysis from several aspects.

2.1 The teacher is weak.

First of all, many teachers are acquired in the traditional teaching mode. They are familiar with the posture they have mastered, are accustomed to their own teaching methods, and even get used to speaking, do not think too much about course design. Secondly, because of the differences between regions, schools and teachers, this will directly affect the teaching results, and the teacher's words and deeds, knowledge and taste have a subtle influence on students. Thirdly, in the context of exam-oriented education, teachers' treatment of textbooks will also be restricted by the examination system, which will enable teachers to focus on the examination content, which will result in a basic textbook-based, simple indoctrination. Relevant knowledge, lack of vision and broad knowledge [1].

2.2 The teaching form is single and too old.

Under the traditional teaching mode, the teaching method is rigid, a classroom, a book, a teacher cramming, students passively accepting, lack of communication with each other, so the lack of teachers the enthusiasm of the lectures is taught to complete the teaching tasks [2]. The students lack the initiative to learn and learn to complete the credits. There is no way for teachers and students to stay in the best condition, and the quality of natural teaching and the ability of students themselves are

lacking.

2.3 Too much emphasis on theory and separation from practice.

The traditional computer teaching mode focuses on exam-oriented education. When teaching, the teacher focuses on the theoretical content of the exam, while ignoring the practical ability of students. Students will also spend a lot of time on the theory of rote memorization in order to achieve good results. Even students who study computers will not install computer software [2]. The operation steps are basically based on memory. As a result, the knowledge is difficult to learn. If the theory is out of practice, it is difficult to cultivate excellent computer talents.

2.4 The students' self-motivation is not high and lacks the spirit of innovation.

First of all, the students passively accept the knowledge through the teacher's teaching. They don't like to ask questions, don't want to ask questions, and don't know how to ask "why". Over time, they will develop what the teacher said and what they are. Losing the ability to think independently, greatly restraining one's own thinking, making it lack of autonomy and enthusiasm. Secondly, under the traditional mode, students memorize hard and mechanical training, which makes students lack imagination and independent innovation, and obliterate individual individuality. Thirdly, the traditional teaching mode has also created many people with high scores and low energy. They have pursued passing exams or achieved excellent results in exams, thus neglecting their comprehensive quality training [2]. There are too many limitations in vision and vision.

3. The necessity of combining modern educational technology with computer teaching

The application of modern educational technology to computer teaching is a great opportunity for innovation and development. On the one hand, through the use of multimedia technology to combine text, audio and video teaching methods, it can activate the classroom atmosphere, reduce the teaching pressure of teachers, promote the improvement of teaching quality, and provide a space for growth in teaching thinking. On the other hand, students can learn and accept knowledge in a variety of ways, and they can choose their own learning resources and learning tools. This greatly enhances the subjective initiative of students, and it is also widely used for cultivating students. Innovative capabilities provide effective conditions.

3.1 Promote the reform of traditional forms of teaching.

The addition of modern educational technology has had a great impact on the original closed traditional computer teaching model, breaking the limitations and limitations of the original teaching model. Theoretical indoctrination develops into various forms, which is vivid and intuitive, and combines theory with practice [2]. It greatly enhances students' enthusiasm for independent learning and greatly expands students' horizons and knowledge.

3.2 Changing the concept of computer education.

The concept of education is the foundation of teacher education. As a social ideology, it determines the success of education reform. Therefore, establish advanced modern educational concepts, aim at cultivating the practical skills of high-quality computer talents, enrich teaching resources and teaching methods through the diversity of curriculum content and the diversity of teaching methods, pay attention to practical operations, and pay attention to student autonomy. The cultivation of learning ability and the spirit of innovation strengthens the connection between curriculum and social development needs, so that high-quality computer talents can be trained to meet the needs of society [3].

3.3 Realizing the shift of teaching focus.

The main body of the traditional computer teaching mode is the teacher. The simple theoretical indoctrination is difficult to understand. The students' practical time is short, and the understanding and application of theoretical knowledge are slightly insufficient. In today's information age, the

computer talents of social needs not only have a rich basic knowledge, but also need to have good practical ability, and can apply the theoretical knowledge learned in school to the practice of work [3]. Therefore, the addition of modern educational technology has made computer teaching a student-oriented design method for each student's characteristics. Students can independently choose the curriculum resources that suit them.

4. Advantages of computer teaching mode based on modern educational technology

4.1 The teaching mode has changed from closed to open.

Modern educational technology has changed the backward teaching mode very well. Modern educational technology can provide students with more access to knowledge. Students can choose their own characteristics to suit themselves. The learning materials are no longer the traditional mode of classroom listening, which better highlights the students' central position and the guiding role of teachers, strengthens the interaction between students and teachers, and changes the previous forms of teaching in class [4]. No longer subject to the number of people and the venue, better cultivate the initiative of students. Through modern educational technology learners can obtain a variety of learning resources from different ways, changing the closed classroom teaching in the past. Modern education pays more attention to the initiative of both students and teachers. Teachers can selectively group or Individual teaching can unearth the potential talents of students. It is truly possible to teach students in accordance with their aptitude and to optimize the combination of various teaching methods. This has great practicality in computer teaching.

4.2 The process of teaching begins to be multi-directional.

In the traditional teaching mode, the teaching process is mainly based on the general cognitive order, while the modern educational technology model takes into account the students' own ability to accept. To promote students' purposeful learning and improve their learning ability [4]. In the teaching process of the computer, the combination of various technologies and learning processes is used to maximize the learning motivation of the students, adapt to the needs of each student, create a lively teaching process, and combine the concentrated explanation with the individual explanation.

4.3 The content of teaching begins to diversify.

The traditional teaching is mainly based on textbooks. In modern teaching, the content involved in teaching is rich and varied, and the forms of teaching are also diverse. This teaching mode can be very good for students. Pass the information of the teaching content to improve the students' learning comprehension ability and the level of practical application operations [3].

4.4 Use multimedia to realize interactive teaching.

By setting up a sufficient number of multimedia computers in the classroom, the regional setting of the network is implemented for the teaching, and a computer is arranged for each student to let the students learn by themselves. In this kind of multimedia network-based teaching, the classroom can use the computer to make the courseware, and display it on the student's computer through the communication technology of the network. The classroom can realize the control of the student's computer through its own computer and guide the students to understand the computer [5]. In the actual operation process, the classroom can perform the arrangement of learning tasks through the remote control of the host, allowing the students to perform repeated demonstration training on their own computers.

In the multimedia network teaching, teachers should play a guiding role for students, solve the misunderstandings when students use computers, and improve students' practical operation ability. With the regional network, students can participate in the exchanges between teachers and classmates while studying independently, and learn effectively.

4.5 Develop students' self-learning habits.

In the past, when teaching computer, most of the teachers used the method of “instillation”. In this

method, the teacher was occupied, the thinking of the students was restrained, and the ability of self-learning was extremely low [5]. However, using modern educational technology, when teaching computer, students are the mainstay. When learning, students can cooperate and communicate with each other, express their own opinions, and jointly study problems and create for students. At the same time, a strong learning atmosphere is cultivated.

5. New teaching mode based on modern educational technology

Today's computer teaching model is innovative in the traditional teaching mode. In order to improve the students' comprehensive ability and fully integrate them into the learning atmosphere, the following new teaching modes are proposed on the basis of modern educational technology:

5.1 Multimedia-based studio-based teaching mode.

The most typical of modern educational technology should be the application of multimedia technology. Teachers use multimedia technology to vividly present some abstract teaching content to students in the classroom. This is also the broadcast we often say. Teaching mode. This multimedia teaching mode requires the teacher to make appropriate settings for the relevant teaching equipment before the lecture, such as debugging the imaging of the projector and the acoustic effects of the classroom. In such a multimedia studio-style classroom teaching, the teacher is no longer a single language to explain the syllabus content, but to show the teaching content to the students through various new ways, creating a very interesting classroom atmosphere and stimulating the students. Learning interest, which is conducive to the development of students' self-learning ability [6]. The survey found that students are willing to accept such a new method of broadcast teaching, not only learning computer knowledge in a pleasant atmosphere, but also cultivating their own sentiments in a multimedia environment. In addition, students can also practice the process of imitating the demonstration, which is very helpful for consolidating knowledge.

5.2 Interactive teaching mode based on multimedia technology.

Classes are given to students in the classroom of multimedia technology. The teacher is connected with the students in the form of local area network. The teacher controls the host, and the students can carry out hands-on operation on their own computers. In this multimedia technology environment, teachers can not only control the students' computers, but also guide them to regulate their behavior in the computer network. The biggest highlight of this new teaching model is its interactivity. Students can explore the content of the teaching in the local area network. The discussion form is changed from the traditional single face-to-face discussion to the discussion in various forms [6]. When the students discuss the problem, there is no discussion. At the conclusion of the time, the teachers participate in the timely response to them. This kind of interaction greatly enhances the students' enthusiasm for learning, is conducive to the development of students' ability, and improves the quality of computer teaching.

5.3 Internet-based open teaching mode.

Multimedia broadcast teaching can be operated in a single machine, and this open teaching of the Internet extends the scope to thousands of computer terminals. The new teaching mode is characterized by its openness, which is mainly reflected in the diversified teaching content and the unfixed teaching place. All knowledge on the Internet can be shared. Due to the huge learning resources on the Internet, students can download a variety of learning materials suitable for themselves on the Internet, personalize self-learning, and strengthen training for their weak points. The traditional teaching mode needs to listen to the teacher in a fixed teaching class. This new Internet open teaching can be done without the restrictions of the place, and the network can complete the computer learning process [7]. However, the premise of this open teaching model is to have a sound Internet system as a support. This is also the work that people are trying to improve on the Internet. They can learn and communicate with each other through new forms such as mail on the Internet. Collect teaching content information, conduct relevant experiments, use relevant software to

process data, and comprehensively analyze. Not only can they expand their knowledge to improve their learning ability.

5.4 Virtual laboratory-based analog teaching mode.

A virtual laboratory can be built in the computer network. The biggest function of this laboratory is to be able to simulate various experimental processes. This kind of simulation experiment can clearly show the various experimental procedures in front of the students, so that the previously abstract teaching content can now be clearly and thoroughly let the students experience [7]. Another advantage of this kind of virtual laboratory is that it is similar to the open teaching mode of the Internet. It overcomes the constraints on the teaching environment and is very helpful to improve the learning efficiency of students.

5.5 Improve the personal qualities of teachers and strengthen the construction of excellent teachers.

In addition to the above proposed reform measures, the author believes that the overall quality of teachers currently engaged in teaching should be continuously improved [7]. Only in this way can we maintain the parallel thinking with the students, understand the students' demands and needs, and realize the deepening application of the model by flexibly adjusting the content of the lectures and the content of the lessons prepared under the class, and effectively improve the overall quality of the teaching.

6. Summary

In summary, this paper studies the new mode of computer teaching on the basis of modern educational technology, analyzes its limitations from the traditional computer teaching mode, and discusses several teaching modes based on modern educational technology and based on modern educational technology. The advantages of the computer teaching model can be seen that computer teaching is a key point and a difficult point in educational activities. On the basis of modern educational technology, the traditional computer teaching mode is innovated, so that students can play their main role in the teaching process and have a good effect on the actual teaching effect. In addition, while teaching computer, it is also necessary to combine teaching content with teaching objectives, truly focus on the cultivation of students' abilities, and use new teaching models to comprehensively improve the quality of education.

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