

Research on the Integration of Computer Application Technology in the Field of Education

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Abstract: Computer science and technology, as one of the fastest-growing science and technology in modern times, directly affects and changes people's production, life, and learning methods. In modern education, to improve students' knowledge level and cultivate students' professional skills, computer science and technology are widely used, because it is not only conducive to the sharing of educational resources and the improvement of education level, but also provides convenience for students to learn knowledge. The rational use of this technology in modern education can not only ensure the quality of teaching and improve the level of teaching, but also attract students' attention and improve students' interest in learning. This article focuses on the analysis of the application of computer science and technology in current education, and systematically expounds its significance, and provides relevant measures for improving computer technology teaching.

Keywords: Computer Application Technology, Education

1. INTRODUCTION

The application of computer science and technology in the modern educational process has great advantages in terms of saving time. First, the application of science and technology can accurately process and apply educational information, which has strong usability in the teaching process, and can also save more important information, which is convenient for later learning and use, and makes up for the time gap in the traditional teaching process. For example, when learning mathematics knowledge, more classic example questions can be saved to facilitate students' future review.

Secondly, using computer technology, the traditional teaching mode can also be broken, and students have the conditions to participate in learning before or after class, thereby improving the quality of teaching. The use of educational technology has brought about a qualitative change in knowledge. The image has changed from books, books, pens, and paper to keyboards, mice, voice input, etc. The society is developing, and education and teaching methods are also constantly developing. The use of educational technology turns static knowledge into active material. Stimulate students' enthusiasm for learning, stimulate students' senses, simulate situations, arouse emotional activities, increase students' enthusiasm, and improve students' learning interest through actions such as pictures, words, sounds, and flips during teaching.

Computer science and technology can reduce the constraints of learning resources and other conditions on students, allow students to learn more knowledge, make the teaching process of teachers livelier and more interesting, help students accept new knowledge, and make communication between students and teachers more convenient. It is more direct and can solve the problems that students have in their studies in a timely manner, enhance the interaction between teachers and students, and strengthen communication and exchanges. The application of multimedia technology in the classroom teaching has enabled the computer to successfully replace the traditional teaching tool the blackboard, which can save teachers from the tedious work of writing on the blackboard, thereby improving the efficiency of classroom teaching. At the same time, the application of computer science and

technology can help teachers create attractive and diverse teaching courseware, and can set open questions, thereby guiding students to carry out autonomous and exploratory learning activities, thereby providing students with Create a highly participatory and attractive learning environment to maintain the student's dominant position in the learning process.

Modern education methods pay more attention to students' hands-on practical ability, and the combination of practice and theoretical knowledge cultivates more applied talents for the society, but teachers are better at instilling theoretical knowledge into students. Apply computer science and technology in modern classrooms to expand and extend the original knowledge and enhance students' understanding of it. Art courses such as art and music show some famous works of art to students, and they can intuitively understand the relevant content under the influence of art. For subjects with cumbersome knowledge points, the blackboard is replaced by network technology, and the original boring content is turned into vivid courseware for students to watch, which reduces the pressure on teachers and saves classroom time and stimulates students' enthusiasm for learning. Smartphones are also in the learning phase for them. Therefore, this type of teachers prefers traditional teaching methods, and basically do not use educational technology for teaching in class, especially in some review classes.

2. THE PROPOSED METHODOLOGY

2.1 The connection between computer application technology and education

This type of teacher acquires more knowledge from teaching experience, so they are more concerned with imparting knowledge than with cultivating students' abilities. The biggest problem in compulsory education is the promotion of higher education. Teachers often take students' advancement as the most important goal. They talk about their grades, so they care more about their children's grades. No matter how loud the slogan is, it often has a great impact in practice. The use of computer science and technology in modern education can get rid of the shackles of traditional teaching models, allowing students to develop their own pre-class preview by

giving full play to their subjective initiative. At the same time, with the guidance of teachers and the help of computer technology, students can more easily understand the important and difficult points of learning and ask questions to teachers in class or after class, so that teachers can better answer students' doubts. In this way, by giving full play to the role of computer science and technology in the student preview stage, it is easier for students to accept new knowledge.

The application of computer science and technology frees modern education from the constraints of teaching time and teaching space, so it can provide open and equal learning opportunities for all kinds of students. At the same time, open teaching and distance education are gradually rising. The modern distance and open education model allow students to carry out independent learning activities without the constraints of time, space, age, and school scale. For example, teachers upload the prepared online courses to the education website so that students can carry out relevant courses according to their own learning needs. While studying the courses, students can also communicate online with experts or teachers on doubts. The main task of students studying after class is to preview and review. Through the auxiliary technology of computer science, students can skillfully avoid blindness in the process of independent learning after class.

Teachers prepare unified preview courseware for students, so that students have clear ideas and goals, learn relevant content in a targeted manner, understand and consolidate relevant knowledge points in advance, understand content that they do not understand in advance, communicate with teachers in time, and improve preview improve the efficiency of work, and do a good job in the next step with a purpose. Then make up for the deficiencies in traditional teaching, activate the classroom atmosphere, and improve the quality and efficiency of classroom teaching. It has become a teaching based on teacher lectures. Students are unwilling to think, and there are very few signs that can be seen. The enthusiasm of students who have just been introduced into the classroom is good, but the retention time is relatively short. In the end, the completion of the students' homework was not very good. The students themselves had less creativity, and many of them imitated the signs in the book, so the final teaching objectives were not very satisfactory. It can get rid of the limitation of space on education, provide people with a variety of learning opportunities, and at the same time help students learn independently. For example, a teacher transmits the content to be learned to the corresponding website by making online courseware, so that students can find the answers they need according to different problems that arise in their own learning. This way, on the one hand, it improves students' interest in knowledge. On the other hand, it can also help students communicate with relevant teachers on the Internet to improve their learning literacy. Teachers can also answer questions online and guide students remotely, enabling closer communication between teachers and students and helping students learn a wider range of knowledge.

2.2 Application of computer science and technology in the field of education

Multimedia classroom is composed of computer, data storage equipment, multimedia audio input equipment and control software. It is based on traditional classroom teaching and adopts the combination of computer science and traditional media technology to meet the teaching requirements of modern education. For example, multimedia classroom in the teaching process, teachers can not only optimize the teaching process, but also implement special guidance according to the

individual characteristics of students, to improve the efficiency of teaching evaluation and the effectiveness of modern education. Limiting children's thinking to these definitions does not pay attention to children's understanding. Many children memorize by rote without considering how the definitions come from. In middle school education, teachers are more focused on cultivating students' test-taking ability. Especially in middle school teaching, mechanical learning often makes students less curious and less able to experience the joy of learning.

Under this vicious circle, many students seem to become a kind of learning machine and lose the fun of learning. In modern education, the use of multimedia classrooms can increase students' interest in learning, make students thirstier for knowledge, give full play to the advantages of computer science and technology, and combine modern science and technology with traditional media technology to meet students' learning needs. For example: in the multimedia classroom, students can carry out their favorite courses and solve the problems that arise in the study by themselves. Teachers can guide their learning activities according to the different characteristics of different students and teach students in accordance with their aptitude. This is not only conducive to schools to better carry out teaching evaluation work, to integrate computer science and technology into multimedia classrooms, but also to promote the development of education. "Education based on the Internet is not limited by space and region. It can be extended to every corner of society through computer networks, and even the whole world. This is an open school in the true sense."

In a sense, courses are no longer static and outdated, but become fresh and continuously developed and updated. The learner becomes the master, who can choose the content of the classroom, and the course is no longer a tangible textbook, but an intangible, free, and optional open learning. The network has huge resources, which can be shared in the world. Because of the particularity of the art discipline, the Internet enriches the classroom and expands the horizons of students. In this era of technology, everyone is inseparable from smart products. Everyone has a smart phone, and society is improving every day. From Nokia, which did not have a camera function more than ten years ago, to the current smart phone, the technology in the past 10 years with the rapid development, children aged 3 or 4 today are beginning to use smart phones and smart TVs. Facing ten years of teaching methods, they can no longer attract students' attention and satisfy their thirst for knowledge. The Internet is a big class, but the teacher is still applying the old teaching mode as in the past, and the students are tired of it.

3. CONCLUSION

All in all, there have been obvious changes in the way of education in our country. The development and innovation of information technology has made education and teaching methods very different from the past. This series of changes has obvious advantages, improving students' learning efficiency and enabling students to acquire more new knowledge through this technology, broaden your horizons. The application of computer science and technology provides a new platform for modern education, and it is difficult to exert the actual benefits of teaching. Therefore, schools should apply computer science and technology to students' preview work to improve classroom teaching, so that computer science and technology can be used in distance education. Play an active role in computer science and technology, let students learn according to their own learning

interests in multimedia classrooms, improve students' learning literacy, and make computer science and technology make greater contributions to the development of modern education.

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