Research on the Characteristics of Multimedia Computer Teaching in the New Situation

Saren Gaowa

Hulunbuir College, Teacher, Associate Professor, Master's Degree, Doctor of Education Management, 021008, China

email: saren101@sohu.com

Abstract: The popularization and promotion of multimedia computer-aided education system and network education platform supported by teaching support are necessary for teachers to devote themselves to classroom practice, be proficient in electronic open development, and study and promote new guidance methods.

1. Introduction

The necessity and superiority of constructing multimedia aided instruction system multimedia computer aided instruction (MCAI) is a kind of advanced teaching method. This is not only a tool for teachers, but also a helper for students to learn. It is to discover, explore, accept new information, and finally guide students to master knowledge. A powerful weapon of ability[1]. As a professor, teacher is a scientific concept, advocating new methods of education and educational research, promoting the rational use of multimedia computer-aided education system (MCAIS). The rapid development of student quality is to achieve a relaxed and happy learning environment. It is very necessary to take students to teach and educate efficiently, support the development characteristics of each school, and meet the construction of multimedia education system.

2. MCAI is an Important Part of Modern Education Science and Technology

This is a higher education method combining computer technology, information technology, educational theory and professional knowledge. Through teaching materials, graphics, images, animation, audio-visual and other methods to stimulate the senses of students, highlight the key points, teach more effectively, and break through teaching difficulties[2]. This advanced modern education method has changed the traditional education mode, improved the atmosphere of classroom teaching, enhanced the communication ability with students, and really achieved the purpose of sharing education resources and improving education efficiency.

3. The Advantages of MCAI are Mainly Reflected as Follows

3.1. Information Volume and Efficiency Increase

MCAIS is a new education system, which is composed of animation, text, data, voice, graphics, image, audio, video and so on. This is an image, text, and traditional education model that can be produced in a learning environment that cannot be dynamically combined. Teachers can show students a variety of emotional materials and distinct images by clicking the mouse. Teachers can exchange knowledge with students and save a lot of time to improve the ability of classroom knowledge. The research fully mobilizes students' visual and auditory perception ability, stimulates students' interest in learning, concentrates students' attention, improves students' memory, cultivates students' exploration spirit, and further improves learning effect.

3.2. It has Strong Human-Computer Interaction Performance and Good Education Effect

Multimedia computer technology can exchange information between the sender and the receiver in real time, which changes the traditional one-way information exchange method and no longer receives information like watching TV or listening to radio[3]. Instead, it can be active in computers and communications. This is a multimedia expressive, participatory, and useful control feature. The purpose of individual guidance is also to apply it to a wide range of conferences. In classroom teaching, teachers can provide timely guidance according to students' response to the classroom, enhance students' initiative in learning knowledge, achieve the perfect combination of teaching and learning, and achieve the best teaching results[4]. It is of great significance for quality education, skill training and creative thinking in education reform to make use of the interactive characteristics of multimedia.
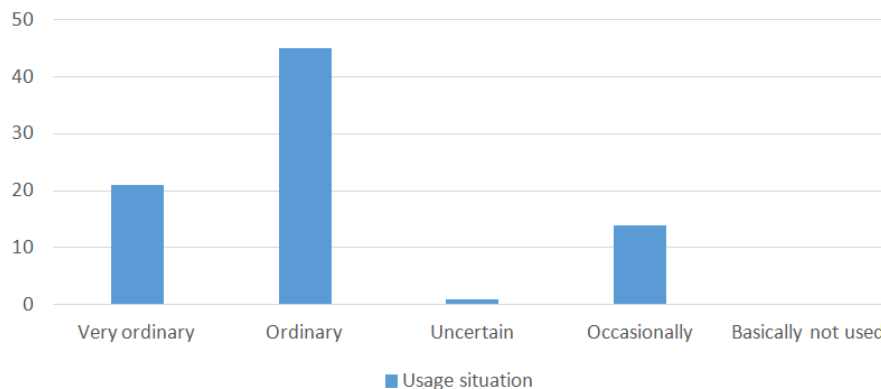
Figure 1 Use of multimedia teaching

3.3. Be Vivid and Intuitive, and Expand Students' Thinking Ability

MCAIS can make the complex teaching content more intuitive, easier to understand, more prominent teaching focus and overcome teaching difficulties. MCAIS uses 3D animation technology, video technology, audio technology, Excel and Authorware to make abstract and obscure knowledge simple, intuitive and graphical. The distance between objects and students is shortened, students' vision and hearing are strongly stimulated, and all their senses are effectively mobilized to participate in learning activities. Strengthen emotional experience, stimulate students to pay attention to learning, improve listening, speaking and reading skills. Get the ability of the students to analyze and deal with the ability to strengthen, improve, according to the efficiency of that classroom and improve the quality of education.

4. Requirements and Countermeasures of Multimedia CAI

The advantage of multimedia education, in order to maximize the students' learning database as an open, open design, teachers as the center of the heart, improve the interface of human interface opportunities. Therefore, the software process can be arranged freely according to the class process. At the same time, it is necessary to consider the acceptance and feedback of students from all levels, and improve the intelligence and freedom of sportswear[5]. Reply students' answers and questions in time, and truly become the master of students' classroom. Therefore, teachers can use multimedia software development tools based on beautiful and elegant conditions of open generation and development, personal preferences, and open objective conditions.

4.1. Overcome "Fear of Difficulties" and be Reluctant to use Ideas

Because some teachers are not proficient in computer operation, some teachers are reluctant to use MCAIS, the input of teaching materials is slow, and the mouse click is not smooth. Especially in the process of making teaching software, in order to find the right voice, video, video and all kinds of data, we need to process and sort out a large number of data collected widely, and think about the content of the classroom as much as possible. It is necessary for teachers to study

textbooks, design layout carefully, and refine the contents and guiding strategies of textbooks[6]. Preparation takes more time than actual production. In the traditional teaching method, the outline of class notes and framework can be used in sound, image, video image, animation and other details, without considering the details. In order to make software, no matter what software is used, a lot of effort is needed. Moreover, there are not a few teachers who have the idea of "uneasy fear and unwillingness to use". This idea also becomes the bottleneck of MCAI popularization.

4.2. Effectively Improve the Ability of Teachers to use MCAIS

In recent years, in order to create conditions for the smooth development of multimedia computers, many schools are improving multimedia computers. Teachers in multimedia and network support the use of open technology education platform for teachers' teaching, education and research room wisdom and strength to give full play to teachers' education observation, in order to develop open competition invitation of multimedia production. This has played a very good role in improving the production level of multimedia teaching software and the use level of MCAIS.

4.3. It is Mainly Supplemented by Education and the use of Multimedia Computers

The use of MCAI needs the interaction between teachers and students. We can emphasize the concept of "students are the main body, teachers are the directors". In MCAI classroom, teachers must use the traditional standing teaching mode to avoid typing or clicking in front of the computer screen. Teachers should catch students' knowledge and other information according to their own eyes and expressions, adjust the guidance progress and ability in time, and continuously improve the guidance effect[7]. When necessary, students' body language should be consistent with teachers' eyes, facial expressions, attitudes and gestures, so as to improve students' overall excitement and effectively improve the guidance effect.

5. The Requirements of Multimedia CAI for using Courseware

5.1. Requirements for Software Design. Fashion Design Must Follow Students' Cognitive Rules

If the external guidance activities provided are consistent with the individual internal psychology of learners, it can stimulate the learning knowledge and desire for knowledge, so that students' knowledge can be internalized in the knowledge taught by teachers. Therefore, when designing the corpus, it is necessary to consider how to prompt the content of education. The curriculum displayed in the corpus follows the cognitive rules of students. On the other hand, in the year of educational practice, not all courses can adopt corresponding teaching materials, which must be used to prompt the content of teaching materials. It is necessary to deal with the content and performance of several sportswear in advance. In addition, the restrictions on development level and equipment conditions are for several things that cannot be carried out, or they are almost not understood, but the actual effect is that the conditions do not meet the existing guidance methods, and it is not a good thing[8]. Therefore, it is necessary for us to follow the guiding rules in the design of open design, from the practice of professors, to meet the requirements of open design training.

5.2. Overcome the Shortcomings of Long-Term Large Capacity Sportswear

The results of CAI education are obvious now, but there are still many problems to be considered. Some teachers blindly pursue multimedia technology when making teaching software, and turn teaching software into multimedia achievement exhibition. This is from the original intention of CAI education. Finally, Cai education will play a supporting role. The teacher plays the leading role in the classroom. Teachers study psychology and pedagogy, use the most scientific concept of education for teaching, teach people education ideas, strive to learn business knowledge, and improve teaching standards. In addition, there are teachers who are too mysterious about CAI. In fact, multimedia computer is a tool for learning and education, just like blackboard, chalk, paper and pen. When teachers naturally introduce multimedia computer into their teaching practice,

multimedia teaching can really improve the teaching effect. In order to emphasize the visible effect, some teachers use long-term, large capacity teaching sportswear. Teaching software is too long. To replace it with regular teaching, teachers will become operators of computers. The disadvantages of this kind of sportswear are obvious. On the other hand, the role of teachers' guidance is not reflected, and teachers' initiative and creativity in the process of guidance are limited. On the other hand, the long-term and large-scale production of sportswear consumes a lot of time and energy of teachers, increases the difficulty of manual guidance of CAI, and affects the enthusiasm of teachers to use CAI. Practice has proved that the practical education effect of long-term large capacity sportswear is not ideal. It is easy for students to cause visual fatigue and psychological fatigue after a long time of observation. Therefore, students should pay attention to their own maintenance, which is also difficult to cause boredom. Therefore, on the premise of meeting the needs of education, it is necessary for open production to be small, short, simple and accurate. of education, it is necessary for open production to be small, short, simple and accurate.

5.3. Teachers should Really Participate in the Design of Sportswear

According to the actual situation of the school, teachers should research and develop software, make implementation plans, collect data, design layout and revise repeatedly. After use, it is necessary to modify that as a backup for future use. For example, in the "Authorware application of multimedia technology" field, how much time is used in which chapter, and whether any important column difficulties should be used as an open type? In this way, the randomness and blindness of making sportswear can be overcome, the cost of making sportswear can be reduced, and the advantages of using sportswear can be improved[9]. Only in this way can MCAI play a real role in modern education and make the most of modern computer technology. To reform the educational methods and methods, to improve the educational management methods, to improve the educational teaching and management level; to serve the reform of classroom teaching methods and methods, to improve the teaching and teaching quality.

6. Conclusion

The application of multimedia computer in education enables teachers to consciously update knowledge, improve teaching methods and methods, and then understand the essence of modern education while learning computer technology. It creates a broad world for high-quality education, plays an important role in the great effect of secondary vocational education, and promotes secondary vocational education at a new level.

Acknowledgements

References

[1] Deng L. (2018). Design of English Writing Assisted Instruction Teaching System Based on Intelligent Cloud Service Platform.

[2] Chen, Yan, Getmanova, Elena, Wright, Martin C. (2018). Inhibitors of type 2 vascular endothelial growth factor receptors: US, US9862758.

[3] Maria Aparecida Shikanai-Yasuda, Rinaldo Pôncio Mendes, Arnaldo Lopes Colombo, et al. (2017). Brazilian guidelines for the clinical management of paracoccidioidomycosis. Revista Da Sociedade Brasileira De Medicina Tropical, vol. 50(AHEAD), pp. 744.

[4] Yuezun Li, Ming-Ching Chang, Siwei Lyu. (2018). In Ictu Oculi: Exposing AI Created Fake Videos by Detecting Eye Blinking. 2018 IEEE International Workshop on Information Forensics

and Security (WIFS). IEEE.

[5] Madeleine C. Mankowski, Valerie J. Kinchen, Lisa N. Wasilewski. (2017). Synergistic anti-HCV broadly neutralizing human monoclonal antibodies with independent mechanisms. Proceedings of the National Academy of Sciences, vol. 115, no. 1, pp. 201718441.

[6] Antina E V, Bumagina N A, V'Yugin A I, et al. (2017). Fluorescent indicators of metal ions based on dipyrromethene platform, vol. 136, pp. 368-381.

[7] Thomas A. Luger, Ian McDonald, Martin Steinhoff. (2017). Topical Immune Response Modifiers: Antiinflammatories. Clinical and Basic Immunodermatology.

[8] Michael A. Peters. (2019). Platform ontologies, the AI crisis and the ability to hack humans 'An algorithm knows me better than I know myself'. Educational Philosophy and Theory, pp. 1-9.

[9] Tara M. McCarthy. (2018). Respectability and Reform: Irish American Women's Activism, 1880-1920.