

# Research on the Application of Modern Educational Technology in University Teaching Management

Bogen Xie

Xinyu University, Xin Yu, Jiang Xi, 338004, China

**Keywords:** Modern educational technology, Teaching, Application

**Abstract:** Combining with the needs and requirements of the development of modern science and society and the current development of the curriculum, deepen the development and reform of the education modernization process, the needs of basic education, especially in our daily teaching, teachers should fully understand the modern education technology in modern education The role of is extremely important. To guide students to better understand and master the knowledge. Information technology has incomparable advantages in classroom teaching. It can introduce knowledge visually and intuitively, and present presentations with complex concepts and images. It can arouse students' enthusiasm to understand and narrow the distance between students and the text.

## 1. Introduction

In recent years, due to the rapid development of multimedia technology, modern education technology has been used more and more widely in teaching practice as a teaching method. The development of China's information technology education began in 1980. Although there has been considerable development, it is mainly concentrated in cities and developed regions. In particular, rural information technology education started late and developed slowly, and there is a long way to go before it must be popularized and catch up with developed countries at the national level. In the past few years, I have introduced the modern educational technology methods of self-learning mode. The teaching effect is obvious, but many problems have been exposed. We will make a superficial analysis of some practices and problems in my teaching practice, Modern education technology can use computer technology, media technology, network technology and other technologies to serve teaching. The use of these technologies in teaching can enhance the effect of teaching, make teaching methods more diversified, and bring good teaching results.

In teaching practice, motivation is the driving force of all learning, it is the subjective factor that promotes students' autonomous learning activities, and it is learning under the premise of students. In teaching design, first of all, attention should be paid to stimulating students' learning motivation, cultivating learning interest, and changing from "I want to learn" to "I want to learn". "In order to further stimulate students' enthusiasm for participating in interactive learning, in the process of communication, the problem, the application of knowledge and the understanding of meaning construction are completed. In a constructivist learning environment, instructional design should not only consider the goals of teaching, but also consider helping students. In the context of constructing meaning, this problem and situation creation is one of the most important steps in the creation of instructional design. The situation in the learning environment must be conducive to the construction of the meaning of the content. Solving the problem is the goal of learning, and students should focus on what is proposed Questions for learning. Teachers provide students with some commonly used websites, and students work in groups of 3 for collaborative learning in a network environment. During learning, students first perform division of labor, such as searching the Internet on different websites for some search methods and skills, which reflects student learning Independence. After the search results are found, we will study together and work hard for a common learning goal, which also reflects the cooperative nature of learning.

## **2. Using Modern Educational Technology to Elaborate Courseware**

Multimedia courseware is produced according to the curriculum standards and teaching needs, through rigorous teaching design, voice, image and text as a whole, and in the process of assisting software in the form of multimedia. It has intuitive, interesting and interactive, teaching problems, difficult first, easy later, abstract image, non-glossy magic, which makes the content characteristics of the displayed image intuitively expressed. A good multimedia courseware can not only help students master knowledge, but also improve teaching efficiency. However, not all teaching content is suitable for making courseware. Courseware is mainly suitable for traditional teaching methods and expands the content of teaching materials, so as to fully reflect the advantages of multimedia courseware. In multimedia courseware, teachers should first carefully read the new curriculum standards, study the content of the textbook, understand the intent of the textbook compilation, and consider the students' acceptance, so the overall design concept is carefully prepared, otherwise it will appear like Sanders because of the inability to condense and lack The soul lacks practicality. Secondly, the courseware should follow the psychological characteristics of the students, carefully design every detail, it is necessary to intuitively reflect the courseware, the courseware also reflects the interest, and effectively integrate the key points of the teaching content with multimedia methods. Where it is used, it should not be used here, and what teaching effects should be known. In addition, in the courseware structure, modularization is adopted from "linear structure" to "non-linear structure". The design of the courseware guides students' learning concepts, focusing on improving the interaction of courseware and the humanization of the interface, so that the flow of courseware can be randomly scheduled according to the teaching. demand

## **3. Use Educational Technology Methods to Communicate and Collaborate to Solve Problems.**

The so-called "cooperative learning" is a research group composed of students of different levels, allowing them to cooperate in the same learning material, according to the teaching goals and requirements of each lecture, learn from each other, inspire and help and learn, evaluate each other, and encourage each other. The way, in a relaxed, lively, cooperative and competitive environment, and a good cooperation environment for mutual progress. In the process of collaborative learning, the two-way flow of information is mainly for individual students to construct meanings by students. It uses the Internet to obtain information, and uses its own language to internalize and organize itself. The "student language" of communication between students is easier for students to understand and master.

## **4. As a Teaching Method, Modern Educational Technology Has Many Outstanding Characteristics.**

Modern educational technology is the use of modern educational theories and modern information technology, through the development and utilization of teaching and teaching resources, the design of evaluation and management processes, in order to achieve the optimization of teaching theories. It includes slide projectors, tape recorders, televisions, CDs, computers and other modern teaching media and abstract expressions of scientific theory and knowledge of the practice of teaching, systematic methods. In order to further improve the quality and efficiency of teaching, showing strong vitality and showing some characteristics. Promote the rapid update of teaching content and follow the pace of scientific and technological development. Nowadays, the development of science and technology in the world is advancing by leaps and bounds, and mastering the latest knowledge and keeping up with the forefront of science and technology have become a problem that must be considered in modern education. Modern students without social knowledge will not be welcomed. Modern education technology has a large amount of information. Especially with the integration of computer network technology, it realizes the sharing of resources and the rapidly spreading latest knowledge, and helps students expand from the perspective of knowledge. With the emergence of new knowledge and new ideas, teachers, teaching content are no

longer limited to their own or a few people's research. The dissemination and reuse of teaching resources play a positive role. The application of modern educational technology in digital teaching materials can be stored for a long time and can be widely disseminated through network technology or other communication methods to facilitate the communication between students and teachers. The way in which information transfers knowledge is very important for the development of education.

## **5. There Are Some Problems That Cannot Be Ignored in the Teaching of Modern Educational Technology.**

The application of modern educational technology has brought about the improvement of teaching effect and teaching quality, and many of its outstanding features have shown strong advantages in practice. However, the development of everything is always a dialectical process, and there are some problems that cannot be ignored in the development and application of modern educational media. We must have a correct understanding and pay attention to solving it in practice to ensure that modern multimedia teaching is better used to give full play to its huge advantages. Teachers' ideological awareness is not high. Today, facing the rapid development of science and technology and economic globalization has brought unprecedented challenges. Most elementary school education administration departments and principals of the importance of rural development lead information technology education and recognize the urgency. Insufficient, low positioning, cold thinking and fear. Most of them believe that information technology is still very far away from the countryside, and that teachers and students learn languages and learning is the business.

The quality of teachers is low in rural primary and secondary schools, and the information technology and educational theories of professional talents are less and less, most of them are part-time, and some are transformed through a short-term computer training. They feel that modern education and lack of understanding of modern education The idea is difficult to play its guiding role. However, due to historical reasons, many teachers have little understanding of the operation and the application of the basic tools of information technology education, and some teachers even feel repulsive and fearful of computers. Therefore, most teachers still stay in the traditional teaching mode of "a blackboard, a chalk, and a mouth". This is also a serious problem that cannot be ignored in the development of information technology education in rural primary and secondary schools.

## **References**

- [1] Sun Yuanlin, etc. My Opinions on Information Technology and Curriculum Integration. Beijing: Beijing Institute of Technology Press, 2010, 119-120.
- [2] Liu Guang et al. The importance of multimedia computer-assisted teaching. Changchun: Northeast Normal University Press, 2009, 3-7.
- [3] On the construction of teacher education curriculum system for students' universities [J]. Liu Xudong. Exploration of Higher Education. 2019(04)
- [4] Reflection and reconstruction of teachers' practical knowledge[J]. Liu Xudong. Educational Science Research. 2018(10)
- [5] Analysis on the construction of colleges and universities database[J]. Jin Tao, Xiong Limin. Modern Business. 2013(12)
- [6] On the humanization of the standardized management of colleges and universities[J]. Si Linbo. Journal of China University of Mining & Technology (Social Science Edition). 2013(02)
- [7] On the improvement of the incentive mechanism of Chinese universities and colleges [J]. Wu Fumin. Shang. 2013(07)
- [8] A Brief Talk on Innovation in Colleges and Universities [J]. Lu Zhongwen. Talent and Wisdom. 2012(07)