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Opening and Diversification of Teaching Environment under the Condition of Modern Educational Technology

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Abstract: The development of the information society has brought the development of education information, promote the modernization of educational technology, in the condition of modern educational technology, environment and traditional classroom teaching compared to larger changes, the environment become hitherto unknown open, not only at a particular time, teachers and students as the interaction with the environment also changed a lot, also has the characteristics of teaching activities of the open environment. From teaching content to teaching means, as well as teaching methods also have a variety of characteristics. Under such conditions, it is worth studying that how teachers and students carry out teaching activities and how to adapt to the characteristics and environment of modern educational technology.

Keywords: Modern education technology; Teaching; Opening; Diversification

1. Introduction

With the development of science and technology, especially the advent of the information society, further development of education and teaching reform, the development of quality education and the implementation of new ideas, new methods and new technology in the field of education high infiltration and close integration, modern educational technology has become a new growth point and support for the development of basic education in china. With the concept of the new curriculum reform as well as popular education reform continuously, education will also focus on the development of students "refers to the most important position. In the condition of modern educational technology in the classroom teaching, how to make educational technology not only become interactive tools, return to education technology culture, focus on classroom teaching reform of human development, we should naturally become to discuss current problems [1-5].

The classroom teaching under the condition of modern educational technology, by means of information technology is very rich and diverse, including computer technology, multimedia technology, network technology, virtual reality technology, audio-visual technology, satellite radio and television technology etc [6-8]. The rapid development of these technologies, into the contemporary classroom, thus expanding the horizons of teachers, expanding the school teaching space and time. People's inherent idea that teaching is generally in a fixed classroom, but in the information technology, teaching envi-

ronment is not completely confined to a particular school or classroom.

From the last century, network technology development since 90s, has been widely used in the global scope, cyber source branches in all parts of the world even in deep space, and with the development of networking technology, will also delve into every aspect of our lives [9-15]. These resources can always be our teaching needs. The network technology of teaching environment is very uncertain, can bring us to the African grasslands, mysterious, polar ocean island, the vast sky... "Even use it for their work, study, life icing on the cake, truly" without leaving home, can achieve world affairs, chic for contemporary people". Network teaching has become an indispensable part of school education. Make full use of network classroom teaching, can break through the teaching resources, teaching environment, teaching methods and other aspects, docking facility textbooks and online resources, but also the classroom teaching resources upload, open to the whole society, thus allowing all learners to autonomous learning, can also be moved to the Internet in the classroom. A different time and space to carry out teaching.

2. Application of Virtual Reality Simulation Technology

Virtual reality simulation technology, also called "virtual environment technology", is the advanced man-machine interface of computer with the basic characteristics of immersion, interaction and imagination. It integrates computer graphics, simulation technology, multimedia technology, artificial intelligence technology, computer

network technology, parallel processing technology and sensor technology, visual, auditory, tactile and other sensory function simulation, can make people immersed in a computer generated virtual realm, and to carry out real-time interaction with the language, the gesture of natural way, create a multi-dimensional information space of a humanoid. The use of virtual reality technology in the teaching activities, the teaching activities of the physical limitations from the traditional classroom teaching, can realize the original teaching environment can carry out teaching activities. It also provides possibilities for the development of distance education, amateur education, open education and other forms of education, and creates conditions. The emergence of a large number of virtual reality teaching environment, such as remote classrooms, virtual laboratory, virtual campus, virtual community and so on, in the virtual learning environment, learners can be carried out according to the demands of students, timely learning, independent learning flexible learning according to their unique circumstances. Ni Gerd Ponti in the "shuozihuashengcun" in an article pointed out that "we will have digital neighbors in this communication environment, physical space and time be of no great importance, the role will be totally different". Chen Jianxiang, a professor at Beijing Normal University, also pointed out that the most direct consequence of "information explosion exposure" is the fission of time and space. From the spatial perspective, the world shrinks a window for me, and I " but through the window zoom into the whole world from the time of speaking, the future is now no longer barriers, next in the past"

Modern education technology under the conditions of classroom teaching, naturally also includes modern distance education. Modern distance education is a new education form to carry out the use of network technology, multimedia technology and modern information technology, network education is based on the modern electronic information and communication technology based on it, learner centered, a variety of media and

many interactive methods mainly use the systematic education and communication between students and teachers, students and education mechanism. Modern distance education is relative to the form of traditional distance education, such as correspondence education and radio and television education. Network education is a new concept in the application of modern information technology in education after generation, is the use of network technology and environment to carry out education in some documents of the Ministry of education has issued, also known as network education in modern distance education.

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