The Application Of Multimedia Technology In Computer Teaching

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Abstract. Interactive computer multimedia technology, the diversity of external stimulation, hypertext and complex features, along with the multimedia technology popularization, the multimedia technology applied in teaching is very common. Here in this paper, the value in the multimedia technology applied in computer teaching, multimedia technology is applied to the problems in computer teaching and multimedia technology applied in computer teaching measures in three aspects to discuss how to make the multimedia technology and the combination of computer teaching better.

Introduction

With the popularity of multimedia computer and multimedia technology application in the social field is more and more widely. Among them, the teaching is an important area of multimedia technology. Multimedia technology plays more and more important role in the teaching of multimedia technology is one of the modern information technology education advanced means of education, it broke the limit of time and space, education teaching both in teaching and learning platform, set up an equal dialogue between level differences by communication, excellent education teaching resources can fly over the long march, across the geographical barriers and play its role [1]. Narrow the gap between different cultures of different regions in, increasing cultural education level of the whole nation, is undoubtedly the power itself a remarkable achievement.

The value of multimedia technology applied in computer teaching

The multimedia to improve students' interest in learning. Multimedia technology can be text, graphics, animation, sound and other comprehensive treatment, and displayed in computer teaching, teachers can use this interactive multimedia function, enhance the students' interest in learning. For modern university life, because without the pressure of college entrance examination, and there is a "viva six very fluky psychology, and mobile phone tablet computers and other electronic equipment, the students in the computer classroom is very difficult to concentrate in 45 minutes, follow teachers' way of thinking, this will cause the classroom efficiency to reach the desired effect, both for teachers and for students, it will lose part of precious time [1]. Computer teachers in teaching in the process of using computer assisted instruction, in the process of teaching for the students to play some music or video audio, etc., let the students in the classroom can relieve some tension, at the same time can make students more actively involved in the classroom, enhance the students' interest in learning, to improve the classroom efficiency.

As in the PPT of the university computer foundation in learning, teachers can use of multimedia in the classroom for students showing how animation is produced, at the same time in the process of production need to pay attention to what problem, in the classroom, teachers use multimedia presentation methods can be very good to attract the attention of the students, let students follow the teacher in the classroom thinking continuously explore animation in PowerPoint is how to form, it can well improve the classroom efficiency, active classroom atmosphere.

Multimedia can highlight the key difficulty. In the traditional classroom, the teacher, for the most part by using the combined way of oral teaching and blackboard writing teaching, the classroom, classroom capacity is small, the students in the classroom there will always be "do not have enough to eat" feeling. Computer, this subject is a need to constantly practice exploration of the topic, the

teacher in the classroom use of multimedia can be very good to avoid the traditional blackboard writing in the classroom is too small or not convenient to show the problem, the use of multimedia display computer experiments for students, let the students in the classroom can and teachers together to explore, so that we can make the students actively involved in the classroom, active classroom atmosphere [2]. And at the time of the final brief summary, teachers use multimedia for students to play the key difficulties of the lesson, can let the students to consolidate the learned in the classroom knowledge, improve the classroom efficiency. Such as at the time of learning computer data processing basis, teachers for the students to explain the structure of the loop, you can use the multimedia display loop structure for the students "Do while" and "Do" until the two code forms, let the students to memorize these two code form, and to show the students in the classroom the coding process, which makes the active participation of students to wait for the classroom and the teacher together to explore how to write the code, the students will be in the process of exploring the harvest more knowledge.

Multimedia technology is applied to the problems in computer teaching

Multimedia teaching convenience to teaching, and greatly improve the efficiency of the computer teaching, but in the process of multimedia technology applied in computer teaching, also appeared some problems, for example, teachers in the use of multimedia technology is not good, when fault occurs in the classroom, or some teachers determine the timing of the use of multimedia, the misuse of multimedia teaching situation, and school for multimedia not timely maintenance, multimedia teaching can't smoothly.

Rely too much on multimedia. In computer teaching, using multimedia technology to the lavatory to a certain extent teachers' teaching and students' teaching, but in the process of multimedia teaching, such a situation, the teachers and the students are too dependent on multimedia, appear even the teacher in the classroom for all the students play the PPT, and the students in the classroom just photographed PPT, such cases ignored the communication between teachers and students, which results in the decrease of the classroom efficiency, poor teaching effect [2].

The problems of lag the whole new problem. On the problems existing in the multimedia teaching in addition to the excessive use of teachers, and school for multimedia management problems, many times the school for multimedia equipment maintenance and updating lag [3]. That will also affect the teaching effect to some extent, even sometimes because the problem of multimedia in the classroom the teacher is difficult to show the students the computer how to do this, the students only listen to the teacher oral teaching is very easy to chaos, influence the teaching effect.

The advantages of computer multimedia in the teaching application

Computer multimedia teaching is to use the multimedia technology, through a variety of media teaching information collection, transmission, processing and sharing to realize the teaching mode of teaching objectives.

Conducive to the aptitude. Traditional classroom teaching, the teachers organize teaching, it is difficult to break through the limitation of time and space, make more knowledge into the classroom, moreover because the student in the knowledge background, learning methods, ability to accept various differences, teachers only for most students to understand the level of the lectures, learning good students do not have enough to eat, poor students can't keep up with, the problem cannot get the feedback in time, influence the teaching effect, almost unable to realize individualized classroom learning [3]. Using computer, multimedia teaching can check students' learning situation, adjust course progress.

Promoting the change of classroom teaching mode. Teacher as the center of the traditional teaching model, fully embodies the characteristics of the teaching in the teaching and teachers' leading role, is advantageous to the system of knowledge taught. The lack of it is do not take the initiative of students, is not conducive to the cultivation of students' intelligence development and creative thinking [4]. A student is not according to their interests, hobbies, learning ability and level

to choose their information and choose the way of learning, to determine the learning content and quantity, adjust their learning process. And with computer multimedia teaching as the center of the modern teaching mode, it can overcome the above shortcomings, take advantages of the large capacity of computer multimedia, can store, optional controllable, interactivity, comprehensiveness and remote, students will be able to timely according to the hobby and the ability to select different difficulty and different subjects of study, the training content. Teachers will also be able to break through the boundaries of time and space and make full use of computer multimedia resources organization and to carry out the teaching [4]. At this point, the teacher's role is to organize, guide, inspiration, students have to through their own activities, through the observation and experiment, induction and abstract generalization method, put forward hypothesis, hypothesis validation, acquire knowledge. It give full play to the teacher's leading role, reflect the students' subject position.

Is advantageous to the communication of the harmonious relationship between teachers and students. When using the computer multimedia teaching, the relationship between teachers and students has changed, in the network activities with students and teachers are learners together [4]. In computer multimedia students, the teacher as a learning process of the participants, rather than the instructor and the student in this environment to teacher's fear vanished, subjective initiative got to play, they use E-mail or network function can learn communication and discussion with classmates, teachers, forming the various communication interactive learning atmosphere.

To arouse students' interest in learning, improve the efficiency of participation. Objectivist education classroom, textbooks, teachers as the core, the teacher as a creditor of knowledge, neglecting the students' initiative and status, the monotonous education, has clearly not adapt to the requirements of the information age. Wisdom of education should be a kind of happy education, students' learning interest and thirst for knowledge requires the teachers to guide [5]. Using computer multimedia software, the text, graphics, images, animation, sound and other elements organically, can greatly stimulate the students' participation, initiative exploration interest, make monotonous classroom becomes lively and interesting, so as to improve the efficiency of the students to participate in the study.

For image intuitive, the breakthrough teaching difficulty point. Multimedia technology combines projection, recording, video, photography and other functions, such as text, graphics, images, animation, variety of forms, according to the teaching information, stimulate the students' various senses, and helps to make the content of the abstract image intuitive, will the teacher boring into the interpretation of the student positive initiative exploration, thus easily break through the teaching difficulties.

The advantageous to the development of thinking and development space. Doubt is the source of innovation, in promoting the innovation education today, as a vivid language lesson should also be able to actively guide students to question myself, to ignite the spark of students' thinking, let students to imagine the wings [5]. The multimedia technology in creating problem situation, expand students' imagination has incomparable advantage over other traditional media.

Multimedia technology applied in computer teaching of the measures

Organize the training, improve the level of teachers. Improve the level of teachers using multimedia is to make the application of multimedia technology appropriate measures in computer teaching, one of the schools in more at ordinary times to arrange some lectures and organize multimedia technology training for teachers, and so on, for teachers, let the teachers to improve the level of using multimedia, so in a timely manner to the appropriate use of multimedia in the classroom, and second, the teachers themselves to look for opportunities to improve the level of their own courseware at ordinary times, so as to continuously improve their teaching level, at the time of making courseware, teachers should according to characteristics of the students' interest, to create suitable for students of teaching situation, so that the students in the classroom to actively participate in classroom, so as to improve the classroom efficiency [6]. For college students, the students should learn computer technology to lay a good foundation for the later work, teachers in the design of courseware must as far as possible when considering the future of the students, as far as possible

when design computer experiment tasks related to the work and future students. Such as "Word" part of the university computer foundation in learning, for text editing, believe that most students are not strange, but let the students in a short period of time can modify a long text font paragraph format, and add the directory page number, etc. , can make the students feel difficult, however, these tasks is often met in the students in the future, teachers can use multimedia for the students in the classroom courseware design, can let the students in the class clear steps, finally, in their own continued operation, so that the students in "Word" in the long text editor could be quite familiar with, so as to improve level [6]. Teachers in the teaching process, the only constant in the form of combination of education reform to improve their teaching level unceasingly, in order to better improve the classroom efficiency, has the quality of talent cultivation, so that teachers can not only enhance the competitiveness of their own workplace, also helps to improve the comprehensive strength of the school.

Changes in a timely manner, and constantly eliminate hidden dangers. In the process of teaching, many teachers will encounter multimedia malfunction causes the content can't be, it will greatly reduce the classroom efficiency, let the students have tired of the psychological. For such a situation, the school maintenance inspections are to the multimedia software in the classroom, to eliminate hidden dangers, to ensure that the teacher in class would be able to complete the teaching mission [7]. First of all, the school can arrange staff before class to check every classroom multimedia, in the case of ensure the normal use of multimedia can arrange the teacher in class, or arrange other classroom for students. Second, school and other schools to communicate, in the case of financial support, to continuously introduce advanced teaching technology, such as electronic whiteboard, etc. , so as to update the school's teaching equipment, to provide a good learning environment for students. Finally, the teacher in the process of using multimedia teaching, if there are any multimedia fails to timely repair service, make relevant personnel to inspect, so we can ensure that next time use, can reduce the waste of time. Only in time of school management, timely updates and maintenance for multimedia devices can eliminate hidden danger, for teachers in the computer classroom use of multimedia assisted instruction to provide technical conditions, can well improve the classroom efficiency, finally can improve the teaching level of schools, improve the comprehensive competitiveness of the school.

Deal with the relationship between a lot of media teaching and traditional teaching. Multimedia teaching can be understood as a traditional teaching on the basis of increased the multimedia teaching of the special tools, it can't abandon all the traditional teaching method. Therefore when designing multimedia tutorials, to master the use of a lot of media time, correctly handle the multimedia and blackboard, chalk, the common teaching aid, the relationship between the language expression, especially to consider the time factor, correctly handle a lot of media teaching time, here mainly refers to the operation time and timely lectures, blackboard writing, interaction, reflecting the relations between time [7]. Conclusion blackboard writing such as a few words on the blackboard, not necessarily than slide efficiency is low, because it saves the operation time. At the time of recitation, the large volume of multimedia is efficient, but must pay attention to the pause and ensure that students to note down the main points, or, prior knowledge of the need for students to take notes printed, sent to each students after class, so it can improve the efficiency of recitation.

Summary

To sum up: in the era of multimedia, computer teaching in higher vocational colleges students' practical ability is by no means on one side, students and teachers in the teaching activities should cooperate with each other, make progress together. In addition, the developing direction of the teaching focus on the student's beginning ability is an inevitable trend that should continue the work responsible attitude for students in the future, fully use age technology, attaches importance to the teaching of the cultivation of students' practical innovation ability. The future is the era of computer information technology and accelerates the industrialization of information construction, perfects the system of the information management and information system, is related to the survival and development of national education career. Looking to the future, the computer information will be

more profoundly change people's way of life and sense of life, people's perception to the world are always changing. With modern equipment widely used in modern production, equipment management and the relationship between the numbers of mass production also arouse people's attention, using computer technology to equipment comprehensive monitoring management, not only can help managers to make relevant decisions, and greatly reduce the investment of funds.

References

[1] X.F.Li and Ch.Q. Huang, Multimedia teaching advantages and disadvantages analysis, Journal of Dalian medical university, 2004, vol.4, pp.31-35.

[2] B. T. Li, Multimedia applied in classroom teaching change caused by computer, The computer journal, 2005, vol.4, pp.19-23.

[3] J.H. Ding, The application of multimedia technology in computer teaching, Fujian PC press, 2006, vol.5, 23-26.

[4] D. L. Wang, The application of multimedia technology in computer teaching, Value engineering ISTIC, 2010, pp.3-9

[5] J. T. Hu, The multimedia teaching application and teaching reform and innovation, Electrochemical education research, 2000, vol.7, pp.86-89.

[6] F.Z. Lin, Multimedia technology and application, Beijing: Tsinghua University press, 2002.vol.8, pp.21- 25.

[7] Y.B. He and M.X. Dong, Multimedia technology applied in computer teaching practice and research, Teaching and research, 2004, vol.6, pp.84-87.