Research on PAD Class Application of Computer Basic Teaching in Colleges under the Internet Age

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Abstract: The continuous development and progress of science and technology brings the Internet into people's daily life. At present, internet has been the hot issue of this information period. Moreover, it obtains extensive application in our lives. Based on the information background, the characteristics of teaching groups have been changed also. The traditional education methods cannot satisfy the students' requirement, especially in the computer basic teaching of colleges. Then, the application of PAD class in colleges can bring learning interests to the students.

1. Introduction

The Internet is changing our lives with various technologies. At present, we have 650 million netizens in China and nearly 500 million smartphone users. The Internet continuous develops and promotes the widely application and installation of Internet, smartphone and intelligent chips in each great enterprises and groups. In this information age, college students can obtain abundant information during the learning. At the same time, the update speed of knowledge is hard to image. The independent difference between students brings the distance of knowledge learning and application. The computer basic teaching in colleges has lots of contradictions during the teaching. Therefore, this is a difficult to teach. Based on many understanding and researches, the writer find that using PDA class can help students to better grasp the knowledge in the Internet age.

2. Current situation of computer basic teaching in colleges

The computer course is one of the courses that students learn in college. It also plays an important role in the process. However, there are still some problems on the computer basic teaching in university, which make students has less learning efficiency. Therefore, the obvious teaching effect of basic computer courses will carry out the seriously hindered of college students' computer skills for a long time.

2.1 The teaching method is old and monotonous that students have little interest in it.

The teachers teach the computer course during the class is the current computer teaching mode in colleges and universities. This method is convenient to help the teachers to finish the course content and effectively show the teachers' guiding during the teaching process. Moreover, this is also benefit to the unified management of students and emphasize teamwork among students at the same time. Under the Internet information guide, this teaching method is excessive neatness and standards. However, it pays too much attention to the guidance of theoretical knowledge and ignores the technical ability of practical operation. Theoretical knowledge is seriously out of touch with practice. This teaching form is not conducive to the innovative thinking development of college students, teachers cannot teach students according to their aptitude, and their practical ability cannot be effectively improved.

2.2 Outdated teaching facilities and insufficient faculty.

Many universities have outdated teaching facilities because of the limited resources. Even some computer rooms have damaged computers. The hardware of the computer cannot be effectively protected and it will impact the practical ability development of college students. This condition can

decrease the computer basic teaching effect. Otherwise, only few certified teachers cannot understand the new models of the Internet technology and they just pay attention to the theoretical knowledge. It is hard to keep pace with the times. Because of the own reasons, teachers cannot add better features of the new era for the computer major, nor achieve the organic combination of computer theory and practice.

2.3 The lack of teaching funds makes the slow teaching progress.

According to the relevant data, many universities have less investment in computer equipment. Even some universities are far from the setting national standards for computer hardware and software. Only a small number of Chinese universities have introduced new computer teaching facilities. Most of the slower-growing universities routinely do not repair or replace computer equipment, and only do regular checks on computers. If this condition goes on for a long time, the computer facilities will become old. Without accessing to the new teaching facilities, students will gradually lose their enthusiasm for computer learning, which is not conducive to improving college students' computer skills.

3. Summary and features of PAD

3.1 Summary of PAD.

The PAD (Personal Access Device) is a small, porTable Tablet device with a touch screen as input. The PAD has a touch screen that allows users to use a stylus or digital comparison for learning and doing homework. The PAD is a fully functional PC that doesn't require a flip cover, a keyboard, and can fit in your pocket.

PAD devices support application demonstrations in action-oriented pedagogy. Electronic textbooks can quickly find the knowledge points. Simulation software can provide an integrated model of simulation teaching. Students can also interact with each other, and make use of campus Internet or micro-blog sharing, so that they can be effectively engaged in learning. The electronic comparison can also facilitate students to review the teaching content and deepen students' understanding and understanding of knowledge.

3.2 Features of PAD.

(1) Diversified software capabilities. The current PAD has wireless Internet access function and multimedia playback of video audio. It also supports office software, shooting and so on. With so many kinds of auxiliary tools, teachers can develop computer classroom teaching well.

(2) Convenient and fast application mode. The PAD is light, convenient and easy to carry. For example, there are many types of input methods (handwriting, keyboard, voice input, etc.). It is also support many modes of gesture identification, recording video and so on.

(3) Low market price. At present, the market of PAD products is becoming more and more popular. Everyone can use the powerful PAD and the price is just over 1000RMB.

4. The advantage analysis of PAD class in the computer basic teaching of colleges

4.1 Effectively strengthen the teaching conditions.

Use PAD in the computer basic teaching, teachers can change the teaching method based on the students' practical requirement. The process is not limited to seat restrictions. Teachers allow students to access computer teaching content through PAD. Moreover, teachers can also move and switch courseware, which is further enhance the convenience. In the traditional computer teaching, students take notes and practice in class, so it is difficult for them to take action when discussing problems. PAD can well integrate various learning materials. In the process of learning, students can pick up whatever knowledge they want to find. This strengthens the interaction and communication between each other. At the same time, teachers can walk around with a PAD in their hands. The traditional computer courses are hard to complete this form. PAD's convenience can

make teachers' language and body more vivid in the process of teaching, and enable students to experience the knowledge.

4.2 Effectively reduce the resources consumption.

The PAD has a power of about 2 watts, while a typical desktop computer has a power of about 200 watts. PAD is more in line with the requirements of the current social environment. With the popularity of the PAD in the e-commerce market, it is becoming more and more powerful. The school can buy the PAD on a pedagogical basis, and has a slight price advantage over computers.

4.3 More convenient operation

The PAD is designed to eliminate a lot of related accessories and operate with just one finger. Software sequence and related capacity is not large, and the running time is short. Simple operation and strong ability, as well as the clarity of graphics, can make it easier for students to communicate with classmates in independent learning.

5. PAD class application in the computer basic teaching of Internet age

5.1 Create the problem-oriented teaching mode in touch screen mode.

Teachers should be based on the idea of asking, analyzing problems and solving problems during the computer basic teaching. In the process of classroom learning, students should also take the initiative to analyze the computer questions raised by teachers and assume the role of answering the questions. Students can use PAD touch screen to contact teachers' problem situations and actively think about problems. After finding the answer, students can rearrange the learning materials and Internet materials stored in PAD to further determine whether their answers are correct. In the process of teaching, teachers should take students' thoughts as the center and encourage students to think actively. The role of teachers is only to provide clues to problems.

5.2 Vivid and flexible simulation design, and the implementation function of virtual environment.

In the computer basic teaching, the application of virtual teaching model is very important. Based on this, teachers should create a virtual learning environment for computer course teaching. Especially in the learning process of basic computer knowledge. Because a lot of relevant content is in books, teachers need to effectively integrate theory and practice teaching, and realize the effective combination of virtual and reality. The model of basic computer teaching should be based on the characteristics of teachers' leading and students' experience. The key point is to eliminate the equipment loss in the training of students' practical ability, and the poor practical ability of students. It also strengthens students' innovation ability.

5.3 Create community communication in campus area network.

Because of the limitation of major study, class and student circle in college, students' communication circle is usually their classmates in their own class. College students' face-saving lead many of them have no courage to make new friends. This paradox makes it difficult for students to communicate with others. In this case, the teacher can create a transmission mode of Dove Chuanshu. This is the transfer of anonymous information and files. This model can connect students throughout the campus. Each class is in a large regional network, and anonymous chat mode can make it easier for college students to interact and communicate with each other. At the same time, it is also convenient for social interaction and the expansion of the friend circle. It can also show students what they have learned and effectively achieve the brainstorming in the discussion.

6. Conclusion

Combined with the full text, the content of basic computer courses in college has strong

practicality and design. Teachers need to combine their own teaching practice to carry out in-depth reform and innovation of computer basic teaching. The classroom assistance function of Tablet computer PAD can provide a new teaching mode for basic computer teaching. Because the traditional computer teaching model is no longer suiTable for the needs and development of today's world. In the teaching process, the practice teaching mode of PAD is constantly strengthened, which can effectively stimulate and drive the interest and enthusiasm of college students. It enables students to participate more actively in basic computer courses. We should attach importance to the cultivation of college students' comprehensive ability and make use of the advantages of the Internet to effectively improve the knowledge learning of basic computer courses in universities.

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