

Research on the Cultivation of English Teachers' Informatization Technology Literacy and Teaching Integration Ability

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Abstract: The construction of information-based foreign language teaching mode based on computer and network technology is an effective way to reform the teaching of college English courses. The integration of information technology and college English teaching is a hot issue in the process of information technology education, and it is also an inevitable trend of college English teaching. This paper briefly introduces the concept of the integration of information technology and college English teaching, and probes into the significance and ways of the cultivation of college English teachers' information technology literacy and teaching integration ability, which is of great practical significance for promoting the development of college English teaching.

1. Introduction

The construction of information-based foreign language teaching mode based on computer and network technology is an effective way to reform the teaching of college English courses. The rapid development of modern information technology provides a convenient and high-quality technology platform for foreign language teaching. At the same time, relevant theories are increasingly mature and widely used in teaching practice. A new teaching model with multimedia network technology emerges as the times require. Therefore, we must maximize the role of information technology in English teaching. Whether English teachers have new ideas, new knowledge and new skills, especially whether they have the ability to integrate information technology into English courses plays an important role in improving the overall level of English teaching^[1].

2. The concept of integration of information technology and college English teaching

He Kehu of the School of Education and Technology of Beijing Normal University pointed out the connotation of information technology and curriculum integration: "to effectively integrate information technology into the subject teaching process to create an information-based teaching environment, to achieve a teacher's guiding role and fully reflect the students the teaching method characterized by autonomy, inquiry and cooperation in the main body position fully exerts the initiative, enthusiasm and creativity of the students, and fundamentally changes the traditional teacher-centered classroom teaching structure". The integration of information technology and curriculum is a way to apply modern information technology to the teaching process and establish a

new computer-based teaching model to significantly improve teaching effectiveness. The use of advanced information technology can play the leading role of teachers and fully reflect the subjective status of students. The teaching and learning methods characterized by "independence, inquiry and cooperation". Therefore, the students' initiative, enthusiasm and creativity are fully exerted, and the traditional teaching structure is fundamentally changed, so that the students' innovative spirit and practical ability are truly implemented.

Similarly, the integration of information technology and college English courses is based on the needs of English teaching, under the guidance of educational theory, giving full play to the instrumental functions of multimedia technology and network communication technology, and combining information resources with college English teaching. A new teaching mode to optimize the teaching process, improve the quality and efficiency of foreign language teaching, and promote the full implementation of quality education. This kind of integration is not a simple addition. It is a fusion of computer information technology and English subject with three characteristics of English knowledge, information literacy and information technology tools. It is a kind of teaching supported by information technology. In this way, the operational paradigm of this method can reflect the characteristics of multiple, comprehensive, and personalized^[2].

3. The significance of cultivating college students' information technology literacy and teaching integration ability

3.1 Conducive to the realization of the organic combination of human-computer interaction and interpersonal interaction

The traditional curriculum teaching mode is teacher-centered, classroom teaching is generally based on the teacher's lecture, and the application of modern information technology makes the teacher organize the classroom form more diversified, and the teaching process is more lively and interesting. Teachers become the promoters and instructors of student self-learning from the disseminators of knowledge. With the help of the Internet, teachers can further strengthen communication with students to better teach English. Networked English teaching is teacher-led, student-centered, with network and multimedia as the assistant, teachers and students to participate and interact. This teaching mode realizes the interaction between people and machines, and promotes the interaction between teachers and students and students. Figure 1 shows the learning of students through the Internet.



Figure 1 Teachers apply information technology to integrate English teaching

3.2 Conducive to the realization of open stereo input of information resources

The Internet is the world's largest knowledge base and resource library. It has the most abundant information resources and provides valuable learning materials for foreign language teaching. The comprehensive, real-time, fast, inexhaustible learning resources provided by the network make the English teaching form colorful and full of fun. The full development and utilization of the network enables the sharing of resources to be maximized, and the teaching mode breaks the limitation of time and space. With the intuition, knowledge and variability of computer teaching software, data, graphics, text, audio, video, etc. are organically combined to create a dynamic and static teaching scene for students, eyes, ears, A variety of organs, such as the hand, mouth and brain, simultaneously receive information and participate in the teaching process, forming an open stereoscopic information input mode^[3].

3.3 Conducive to the diversification and modernization of teaching methods

In the actual teaching, through the combination of multimedia and network, text, sound, image and video can be effectively gathered together to create a situation, realizing sound, color, picture and text. Teachers can instruct students to practice and imitate according to the created situation, stimulate students' interest in learning, diversify the teaching content, trigger students' innovative thinking, improve teaching efficiency and enhance teaching effects. Teachers and students can communicate through various services provided by the network. Teachers can answer questions, arrange and correct assignments online, and publish scores. The resource storage space, E-mail, and BBS forums provided by the online platform can be used to announce the teaching objectives, teaching progress, and curriculum arrangements to students, saving time and effort. Change the situation of students' passive learning, and pre-read in advance to understand the key points and difficulties. The diversification and modernization of teaching methods provide a good teaching environment and learning atmosphere for English teaching and learning. Table 1 examines the ways and capabilities of some teachers to access and use information technology^[4].

Table 1 Teaching methods that teachers use information technology

Information technology and classroom integration teaching methods commonly used in the classroom	Quantity (person)	Proportion
Classroom demonstration	70	66%
Create a situation, introduce teaching	64	60%
Individualized training	21	20%
Research tools	19	18%
Lesson preparation tool	34	32%

4. College English teachers' information technology literacy and teaching integration ability training

4.1 Strengthen information awareness and establish a correct information education concept

Strengthening information awareness and the correct information education concept in the city are the basis for improving the information literacy of college English teachers. College English teachers should first have a high sensitivity to information and can make a great difference. In the boundless knowledge ocean, quickly capture the information you need about college English and master valuable first-hand English materials. On this basis, give full play to the subjective initiative

of English teachers. The computer network technology is beneficial to avoid disadvantages, change the heavy hardware and light software, heavy courseware light teaching and blindly exaggerate the role of multimedia network, thus laying the foundation for promoting the integration of information technology and college English curriculum.

4.2 Using information technology to establish teaching database and strengthen information resources construction

The Internet is known for its vast information resources. The use of modern information technology to quickly and efficiently search, store and manage information resources is an important information literacy. Traditional English teaching requires a large amount of written materials for reference assisted teaching, which is time consuming and laborious. In the multimedia network environment, the fast and fast search engine is convenient for teachers to obtain information. As long as the relevant topics or information categories are determined, the required materials can be obtained in the shortest time. After screening, sorting, and reprocessing, the material group is constructed, and the corpus needed for English teaching is established to realize resource sharing^[5].

4.3 Overcome technical fear and improve information skills

Many English teachers worry that their work will be replaced by machines, and they will lose control and initiative in the classroom. The use of multimedia will pose a threat to their academic autonomy. College English teachers must overcome this mentality and actively learn the application of modern information technology. The school should regularly train college English teachers for the characteristics of the college English course. Learn information skills. College English teachers have four stages in the study of basic skills in information technology: the mastery of basic skills, the use of basic skills, the integration of information technology and curriculum, and the creative use of information technology. Only in this way can we improve the information literacy of college English teachers in a real sense, integrate various information technologies and college English, explore new modes of integration of information technology and college English, and also carry out creative design and development of various integrated environments.

5. Conclusions

In the information age, college English teaching is undergoing reforms. College English teaching is gradually integrated with information technology, presenting a trend of digitalization, networking and diversification. English learning will move towards personalization, collaboration and socialization. The information literacy of college English teachers and their research on information teaching methods will directly affect the effectiveness of informationized English teaching reform. Therefore, as college English teachers in the information age, we should make full and effective use of the advantages of information technology in teaching, and integrate English education with advanced teaching technology and teaching philosophy, so as to better serve education teaching.

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