

The Application of Modern Information Technology in the Construction of College English Ecological Classroom

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Abstract: With the development and progress of information technology, China's education is constantly moving forward to information reform. As we all know, English is a very important subject in China's education, and its classroom teaching methods have always been the focus of the relevant researchers. In English teaching, only by ensuring the proper application of teaching methods can students' interest in English learning be aroused to the greatest extent. Therefore, the students can master English knowledge. Modern information technology has been used as a new teaching mode in the teaching process, and College English is the most basic public course in the current higher education. The application of modern information technology in College English teaching has important practical significance. This paper studies the application of modern information technology in College English ecological classroom.

1. Introduction

With the development of modern information technology and network, College English classroom is different from traditional classroom. First of all, the impact of the era of big data makes English teaching resources not only limited to textbooks, but also three-dimensional resources from society and network. Second, the application of modern education technology such as micro class and flipped class makes the classroom no longer the traditional classroom teaching mode of "teachers teach, students learn". The relationship between teachers and students has been reversed, and the role of teachers is more from "The "leader" becomes the "guide", and the learner becomes an important factor to determine the effectiveness of College English teaching. In addition, multimedia classroom, independent language learning center, and the penetration of the Internet make college English teaching environment from the original closed teaching environment into a digital, networked, intelligent open ecosystem. From the perspective of educational ecology, modern college English classroom has become an ecosystem composed of classroom, teachers, students, teaching resources, modern information technology and other ecological factors. Therefore, it is necessary to comprehensively investigate how to implement effective college English classroom teaching in the information technology environment from the perspective of educational ecology, and realize the dynamic harmony of the teaching ecosystem.

2. The present situation of College English Teaching

English learning mainly starts from listening, speaking, reading, writing and translation, while English is a language. Teachers should pay more attention to students' listening and speaking ability. Improving students' English level requires a good language environment, which also creates an opportunity for the application of flipped classroom teaching mode. In College English teaching classroom, teachers are easy to be limited by the content of the teaching materials, teaching time and teaching site, so it is difficult to create a good language environment, especially for non-English majors. The traditional English teaching classroom is difficult to achieve the improvement of English comprehensive ability. In general, the classroom time is 45 minutes, and teachers need to transfer knowledge to students in the limited time. In this process, students are often busy listening and taking notes, too busy to think. And there is no time for oral training. Therefore, it is difficult to

achieve all-round improvement of students' English quality. There are some problems in traditional English teaching classroom, such as rigid model, uninteresting content and boring classroom, which result in unsatisfactory teaching effect. In the traditional education mode, students are just a machine forced to accept knowledge. Teachers give full play to the leading role, dump the knowledge in books to students, ignore the learning subjectivity of students, and position students as a passive, wooden, mechanical and knowledge receiver. In the college stage, CET-4 and CET-6 are the necessary examinations for college students. Some schools require CET-4 certificates. It is not enough to memorize English vocabulary. The application of flipped classroom can solve such problems well, which also creates realistic conditions for the emergence of flipped classroom^[1].

3. The application of modern information technology in College English Teaching

3.1. Insufficient time for interaction between teachers and students

At present, many university teachers are very dependent on modern information technology, so in the whole teaching process, constantly moving the mouse makes English classroom teaching to a large extent become a courseware demonstration process, while the dominant position of teachers in the classroom is ignored, and the concept of students as the main body is also violated, weakening the role of teachers and students. The original classroom time is limited. If we simply rely on human-computer dialogue, it will lead to the continuous reduction of communication between teachers and students^[2].

3.2. The teaching purpose gradually deviated

Some English teachers use modern information technology, such as multimedia courseware teaching, when making courseware, in order to show the rich content in the textbook. They choose some more colorful forms of expression, but the result is that the teaching content is not very prominent, and the students' learning attention is not focused on the teaching content, but on the gorgeous and vivid picture causing the attention of the students, which leading to the teaching purpose to be deviated gradually^[3].

3.3. It's hard for students to absorb all

In the traditional teaching mode, teachers usually teach in the form of blackboard writing, but because blackboard writing will occupy a lot of classroom time, so teachers cannot make full use of classroom time to impart knowledge to students. After the application of modern information technology, although the teaching content is greatly increased, its teaching efficiency is also rapidly improved. However, if too much information is infused to students, it will lead to the teaching rhythm to speed up, and the difficulties and key points will be difficult to highlight, which to a certain extent will cause students not to be able to absorb all of them^[4].

4. The construction of College English ecological classroom in the modern information technology environment

4.1. Three dimensional construction of teaching resources

The traditional foreign language teaching mainly uses the paper-based plane teaching material, which has a single content and pays attention to mechanical imitation and practice, so it is difficult to meet the learning needs of contemporary college students. At the same time, with the development of network and modern information means, the cognitive mode of learners' access to information has changed greatly. Learners are more accustomed to the information input mode composed of vision, hearing and other modes. The three-dimensional teaching resources obviously can meet the cognitive needs of students better than the traditional plane teaching materials. Therefore, teachers should change their teaching concepts and make full use of the three-dimensional teaching materials composed of paper textbooks, multimedia discs and computer network platforms to provide learners with a large number of real language input and improve

learners' language learning effect. For example, in the teaching of "culture shock", teachers should first input language points, cultural background and guide students to practice the language points in the text through paper-based teaching materials. After class, multimedia discs should be used to help students demonstrate the content and introduce the relevant knowledge of the subject. Finally, virtual cross-cultural communication scenes should be constructed through the computer network learning platform to guide students to discover, understand and reflect on the causes of cultural conflicts and the ways to overcome them^[5].

4.2. Individualized construction of teaching design

Han Geling and others pointed out that "the ecological College English curriculum system emphasizes the integration of computer information technology into the curriculum, the implementation of characteristic teaching, and strive to avoid "one side of a thousand Courses ". So, how should teachers use modern information technology and resources to design teaching programs to meet students' personalized learning needs? The author believes that the personalized teaching design should be reflected in the macro and micro levels. On the macro level, teachers should, on the basis of fully investigating students' English level and professional needs, construct a personalized teaching design framework for students of different disciplines, majors and levels to guide teaching practice. At the micro level, teachers should make full use of the computer statistical software to investigate and analyze the students' learning motivation, learning habits, learning styles and other factors, carry out "guided" grouping teaching for students, and give different learning tasks and evaluation methods to different groups with different difficulties. At the same time, teachers should create an ecological space environment with appropriate tolerance and a friendly and harmonious classroom learning environment for students, so that students can learn in a safe and comfortable psychological environment and achieve the best teaching effect^[6].

4.3. Ecological construction of teaching environment

Educational ecology holds that "human development is a process of gradual mutual adaptation between human development and its environment". With the development of information technology, the traditional college English teaching environment has undergone a qualitative change. The classroom is the internal environment of English teaching. The society is the external environment of English teaching. And the computer and network have become the channels connecting the internal and external environment of classroom teaching. In this new college English teaching ecosystem, teachers should make full use of network platform, mobile terminal and self-media to extend College English classroom, so that students can learn anytime and anywhere, and can choose courses and activities suitable for their English level. On the other hand, teachers should guide students to adapt to the social learning environment, especially to let students contact the real language learning environment, such as browsing English web pages, listening to English radio, watching television programs, consulting English materials, and writing English reading notes, reports, etc., so that English learning is no longer limited to the "flowerpot" English learning environment of the classroom, but integrated into the society. In this open ecosystem, the dynamic balance of foreign language teaching is realized^[7].

4.4. Information construction of teaching mode

With the development of modern information technology, information-based teaching mode, especially collaborative teaching based on network, is bound to become the mainstream teaching mode of College English teaching students' state-based reform. At present, the main body of college students is the post-90s. These students are full of curiosity and creativity about knowledge, and are accustomed to using the network and new media (micro blog, WeChat, self-media platform) to acquire knowledge. According to the author's survey, the main sources of College Students' English knowledge are the Internet and mobile apps, while the number of students learning English through traditional paper materials shows a downward trend compared with the past. Therefore, the network-based collaborative learning mode will become an extremely effective teaching mode in addition to the traditional classroom teaching mode. When organizing teaching activities, teachers

should make full use of modern information technology to create a virtual learning environment, so that students can learn language knowledge and practice language skills in the real language environment simulated by computers and use independent learning center or online learning software to realize online peer evaluation and cooperative learning^[8].

5. Conclusion

To sum up, the application of modern information technology in college students' English classroom teaching in China can bring some new blood to the traditional teaching methods in the past, and make college English classroom have unlimited development potential. Compared with the traditional classroom teaching mode, the advantages of applying modern information technology are obvious. Therefore, the application of information technology at this stage in College English classroom teaching can effectively improve the students' enthusiasm for learning, significantly improve the efficiency of classroom teaching and achieve personalized learning methods, so that college students' English classroom has a steady stream of motivation and passion, which is also the ultimate goal of continuous reform of College English teaching at present.

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