

Research on the Application of Mobile Phone in English “Flip Classroom” Teaching in Higher Vocational Colleges

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Abstract: Mobile terminal has good communication effect. Applying mobile terminal to English teaching in higher vocational colleges will simplify the process of English learning to a certain extent and effectively improve the quality of English teaching in Colleges and universities. At present, the teaching of English “flip classroom” in higher vocational colleges needs the active participation of students. The application of mobile phone will help to improve the teaching effect of flip classroom. Based on this, this paper firstly analyses the feasibility of mobile terminal-assisted flip classroom teaching mode, secondly describes the advantages of mobile terminal-assisted flip classroom in Higher Vocational English, and finally gives specific application strategies, with a view to providing some reference for Higher Vocational English flip classroom teaching.

1. Research Background

1.1 Literature review

Mobile phone plays an important role in improving students' learning, which has been discussed in detail by many scholars. Wang Yang believes that with the development of Internet technology, the learning mode of mobile terminal has become mature. Flipping classroom is a new educational model, which is widely used in English teaching and learning (Wang, 2015). Through summary, Cha Jing proposed two flipped classroom teaching modes. The implementation mode of flipped classroom in Higher Vocational Colleges Based on mobile platform was analyzed, and the problems and difficulties encountered in the implementation of the mode were analyzed (cha, 2015). Wang Yang and others believe that the era of mobile network has come and mobile learning will become the mainstream way for college students. The effective combination of online and offline learning has truly realized the universality of English teaching. Improve students' autonomous learning ability (Wang, 2018). Wu Jun Ping studied the value and significance of the flipped classroom. Guided by the constructivist learning theory of blended learning theory, she analyzed the basic process of the flipped classroom teaching and designed the college English flipped classroom teaching mode on the network platform (Wu, 2018). Huang Hua Yi and others believe that with the development of Internet technology, English education can be integrated with the Internet to achieve diversification of education. This paper analyses the application of mixed teaching mode in Higher Vocational education. Through training students' autonomous learning ability, students' English learning efficiency can be really improved (Huang, 2018). Shang Wen has analyzed the current situation of College English. Traditional teaching concepts are difficult to arouse students' interest in learning. Therefore, the quality of English teaching in higher vocational colleges has great room for development. This paper discusses the construction of the blended teaching mode of College English in the flipped classroom to promote the innovative development of College English teaching (Shang, 2018). Chen Rui believes that with the deepening of China's information technology, information technology represented by the Internet has also been widely used, especially in the field of education. Under this background, a new teaching mode emerges in Higher Vocational colleges, and some suggestions are put forward for the practice of English teaching in Higher Vocational Colleges (Chen, 2017). Zhou Li Hua studied the learning software to facilitate the upload of learning materials, so that students are not limited by time and space for learning. This

paper uses some mobile software to support the application of the model of flipping classroom in Higher Vocational colleges, and puts forward how to implement this teaching model to stimulate students' enthusiasm for learning (Zhou, 2018).

1.2 Purposes of research

With the rapid development of the Internet age, English education in higher vocational colleges should also conform to the development of the times. Through mobile phone, students can learn at anytime and anywhere without being limited by space. Flipping classroom is a new educational model, which has been widely applied to English teaching in Higher Vocational colleges. Mobile terminal has been widely used in the field of education, and has developed well. However, the application effect of mobile phone in English “flip classroom” in higher vocational colleges still needs to be improved. This paper hopes to promote students' autonomous learning by analyzing the specific application.

2. Feasibility of Mobile Terminal-assisted Flipping Classroom Teaching Model

First, with the rapid development of mobile phone technology, smart phones and tablets and other similar mobile terminals have entered millions of households. It has become a reality that every student has a mobile phone. Therefore, with the help of mobile terminal, it provides a guarantee for flipping students' classroom education. Secondly, with the rapid development of education and information age, higher vocational colleges pay more and more attention to information-based teaching and investment in information-based teaching equipment, and the higher the requirements. At present, many higher vocational colleges have higher requirements for teachers than before. They not only need to impart teaching contents in class, but also record videos of lectures, which can be used for students to learn after class. Moreover, the school has developed a learning platform independently. Students download the teaching platform, and students only need to use mobile terminals. By landing on the platform, we can realize autonomous learning and provide convenience for the realization of the teaching mode of flipping classroom. At the same time, wireless network has covered every corner of Higher Vocational colleges. Most of the teaching classrooms in higher vocational colleges are in for mationized classrooms. Its application also provides convenient conditions for the implementation of the flip classroom teaching mode. Thirdly, students' adaptability and learning ability are relatively strong, and they can quickly be familiar with the operation of mobile phones. At the same time, nowadays, the teaching staff of higher vocational colleges is expanding, the overall quality is constantly improving, the skilled operation of information technology is becoming stronger and stronger, and the adaptability is constantly improving. With the help of mobile terminal, these provide many conditions for the realization of flipping classroom teaching mode.

3. Advantages of Mobile English Flip Classroom in Higher Vocational Colleges

Mobile terminal has more and more influence on teaching. English teaching in higher vocational colleges has its unique application-oriented goal. Therefore, it is necessary to combine higher vocational students' learning with curriculum. Mobile terminal should be applied to English teaching in Higher Vocational colleges. It plays a technical support and innovation in English teaching. The mode of teaching. It is more conducive to the improvement of students' autonomous learning ability.

Mobile terminal is a major advantage of mobile network learning tools. For example, students can directly enter the learning entrance by using mobile phone We chat, and can directly open documents in the form of We chat for learning, such as videos, courseware or pictures. For students in Higher Vocational colleges, after-school time can be used to review the contents that are not understood in the course, learning the difficulties and key points. It can also improve students' ability of writing, listening and translation through abundant information on the Internet, so that students' ability to learn English independently can be realized in the “flip classroom”. In the

after-school homework or test board assigned by teachers, students can use their spare time to complete the homework left by teachers, and can use mobile terminals to complete the homework in scattered time.

Teachers have many points of knowledge to teach, which results in more teachers teaching in class and becomes the main body of teaching in class. Lack of communication with students is the opportunity and time. Interaction or announcement in “Flip Classroom” provides an equal opportunity for communication between teachers and students. All interactions can be communicated with each student through mobile phone client. It can also remind each teacher to help students solve some difficult questions, so communication is convenient and convenient. It can save time and help students learn effectively. According to the characteristics of their own classroom teaching, English teachers in higher vocational colleges can tell the monks in advance on the platform of “flip classroom” about the theme of the course to be taught, carry out dynamic teaching, let students know the theme of the classroom in advance, have an understanding of the course to be taught after class, and have already entered the classroom. In my opinion, this can save time in class, also can let the classroom “debate” so that students can finally have a class.

Mobile terminal can break the traditional teaching mode and help to develop students' thinking ability. In the process of English teaching in Higher Vocational colleges, mobile terminal can play its online interactive function. Teachers can set up interactive sections in advance, as well as the content, link or form of interaction. In the course of class, online and offline simultaneous teaching mode can be realized, which not only enlivens the classroom teaching atmosphere. The interaction between teachers and students has been innovated. The innovation of this teaching mode improves students' enthusiasm for learning, and the effect has also made significant changes. After class, if some students encounter some difficult problems in class, or have doubts about the teaching content, they can leave messages in the learning section of mobile terminals, or directly trust teachers, so that the questions in class can be solved in the shortest time, improve each other, and constantly improve the effectiveness of the overall teaching.

4. The Realization of Mobile Phone in English Flip Classroom in Higher Vocational Colleges

In order to effectively realize the flip classroom teaching, it is necessary to play the auxiliary role of mobile terminal. Therefore, English teachers in Higher Vocational colleges, combined with their own practical teaching experience, skillfully borrow the rich resources of the Internet and introduce them into the “flip classroom” through mobile phones. In other words, there are several main ways to realize it.

4.1 Teachers assign learning tasks online

English teachers can turn over classroom teaching with the help of mobile phones, and at the same time, they can assign learning tasks to students in advance. At present, there are many platforms for communication between teachers and students. Commonly used are QQ, Wei Xin or Wei Bo. With these communication platforms, teachers can assign tasks to students online in advance. Every student can get the learning task in the first time through the platform. Students can carry out their learning in a planned way according to their own learning situation. Teachers should pay attention to the principle of “moderate difficulty” when assigning tasks online, that is, before assigning tasks to students, teachers should consider their own students' learning foundation: if the overall learning foundation is better, they can assign some difficult learning tasks; on the contrary, if the overall level of students in this class is better. Relatively poor foundation, self-regulated learning ability is not strong, when assigning tasks, we should consider leaving some simple tasks. It can ensure the completion rate of students, otherwise, if they can not successfully complete the learning task, it will have a negative impact on students.

4.2 Students' autonomous online learning before class

After English teachers have set up tasks online, students can learn online. This link is the center of the reversal of classroom teaching, the effect of which can directly affect the effect of other links,

so teachers and students should pay attention to this link. Specifically, in this link, students can use mobile phones or other mobile terminals to log on to the learning platform of the school. Students can watch the learning videos uploaded by teachers online or download them to watch them. Students can complete the learning tasks assigned by teachers in advance through self-learning. The change of this process of teaching, in fact, transforms the traditional teaching methods such as indoctrination of ideas and students' passive learning into students' autonomous learning mode after class, which not only mobilizes students' initiative in autonomous learning, but also improves students' initiative in learning.

4.3 Teachers should give priority to guidance and students should discuss with each other.

After completing the relevant assessment, teachers can guide students in class according to the situation of students' completion, solve the difficulties and difficulties encountered in the learning process, and let students discuss with each other in class. This link can stimulate students' wisdom and cultivate students' ability to learn independently in the classroom. Therefore, this link is an important link to guide students to cultivate innovative spirit.

4.4 On-line interaction between teachers and students after class

After class, teachers and students can use mobile phones to communicate. Firstly, students can communicate with each other about the completion of homework. Teachers can publish the correct answers to assignments through mobile communication software. Students can promptly put forward the problems and difficulties encountered in the process of completing homework to teachers. Secondly, teachers and students can exchange their learning gains and losses, share some good learning methods, and communicate with each other to achieve common progress between teachers and students.

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