

## Teaching Mode of WebQuest in College English Flip Class under the Mobile Learning Environment

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**Abstract:** With the continuous development and progress of the times, in recent years, our country has paid more attention to education. After entering the 21st century, the coverage of information technology has been continuously expanded, thus gradually affecting the development of China's education. The teaching mode of WebQuest in college English flip class under the mobile learning environment is a new teaching method. It combines information technology with novel teaching methods, breaks the shackles of traditional teaching concepts in form and concept, and also innovates in teaching mode. The effect obtained in practical application is very obvious, which has a positive impact on improving the quality of classroom and the level of education in China. With the continuous update of information technology, it is necessary to create a more favorable mobile learning environment and have a more comprehensive understanding of WebQuest in the mobile learning environment, so as to further improve the teaching quality of college English in China.

### 1. Introduction

In the mobile learning environment, the teaching mode has been constantly innovated, and the teaching methods are gradually diversified. The teaching mode of WebQuest in college English flip class under the mobile learning environment not only effectively combines new teaching modes such as micro-lesson and flip classroom, but also effectively exerts students' initiative in teaching. In the mobile learning environment, many students can have great interest in college English courses through the use of a variety of different ways of teaching. Moreover, in the mobile learning environment, the use of modern teaching methods, compared with traditional teaching methods, classroom efficiency will be higher. In the process of learning, if students do not fully understand some knowledge, they can rely on the Internet and use smart phones, ipads and other smart mobile terminal devices for knowledge learning and information exchange. In addition, mobile learning environment can provide more convenient services for students. Students can accept learning at any time and any place if they want to learn, which is limited by many conditions. Next, combined with years of practical work experience, this paper elaborates on the teaching mode of WebQuest in college English flip class under the mobile learning environment. For reference only.

### 2. Research status analysis of the teaching mode of WebQuest in college English flip class under the mobile learning environment

The research status of the teaching mode of WebQuest in college English flip class under the mobile learning environment is analyzed from two aspects. First, the application of the teaching mode of WebQuest in college English flip class under the mobile learning environment not only has a positive promoting effect on students and education itself, but more importantly, it breaks through the limitations of traditional educational concepts and teaching methods and pushes the educational level

of our country to a higher stage. Moreover, in the mobile learning environment, flip class teaching mode is easier to give full play to students' initiative and enthusiasm, which can effectively enhance students' ability to explore and solve problems. Secondly, because some teachers do not have a good grasp of the teaching mode in the mobile learning environment, here is a lack of certain effect in the practical application. The main reason is that some old teachers have been influenced by traditional teaching concepts for a long time, and are not easy to accept modern technology teaching methods, so it is not conducive to the expansion of the application scope of teaching mode. In order to make better use of modern technology to improve the level of education in our country, we need to put forward improvement strategies and correct the existing problems actively.

### **3. Analysis of problems existing in the teaching mode of WebQuest in college English flip class under the mobile learning environment**

#### **3.1 Most of the micro-lesson videos come from the network, and the production technology is more difficult.**

Although WebQuest plays a positive role in the teaching mode of college English flip class in the mobile learning environment, there are still some problems in the practical application due to the influence of some external factors. Firstly, because most of the micro-lesson videos in mobile learning environment come from the network, the production technology is very difficult. Although the development, application and research of micro-lesson have achieved good results, but after the application in recent years, it is found that there are many problems in the practical application. After investigation, it is found that more than 60% of the video recordings of micro-lesson come from the Internet, and less than 5% of the videos of micro-lesson are originally created by teachers. The main reason is that teachers lack the ability of independent innovation in the teaching process. In order to save energy and time, some teachers believe that the form of teaching is the most critical, and the content preparation of teaching video can also learn from others. This will not only form a bad teaching atmosphere, but also lead to the lack of innovation ability of the whole teaching team in the later teaching mode.

#### **3.2 Teachers of different ages have different understanding and different levels of application of micro-lesson.**

Secondly, teachers of different ages have different understanding and different levels of application of micro-lesson, which also affects students' learning effect and understanding of English course content at the same time. In recent years, our country's education and teaching mode has been innovating constantly, and the flip class teaching mode in the mobile learning environment has broken through the shackles of traditional teaching concept to a certain extent. However, in the process of teaching, we find that some of the old teachers do not have a good understanding of the modern teaching methods and the degree of mastery. Most of them think that micro-lesson teaching belongs to a modern teaching method, and it is enough to let some young teachers do this. It's not only a kind of irresponsibility to students, but also a lack of attention to education and teaching reform.

#### **3.3 The lack of teaching model innovation strength in the mobile learning environment**

Finally, there is a lack of teaching mode innovation strength in the mobile learning environment. The improvement of teaching mode in the mobile learning environment has improved the learning efficiency and quality of students to a certain extent. However, if the development of teaching mode cannot keep pace with the times and actively improve and innovate, the learning efficiency of students will still be affected. The innovation of teaching mode depends on teachers' innovation ability and the renewal and improvement of teachers' teaching concept to a great extent. College English teaching is different from other courses. At present, English has become one of the most influential international languages. Therefore, the teaching mode under the mobile learning environment should be constantly developed.

## **4. Strategies to improve the teaching mode of WebQuest in college English flip class in the mobile learning environment**

### **4.1 The content of video shall be highlighted**

Based on the analysis of the existing problems of the teaching mode of WebQuest in college English flip class in the mobile learning environment, the improvement strategies will be proposed from the following four aspects. Firstly, in the process of video production, the content of the video should be highlighted. the teaching mode of WebQuest in college English flip class in the mobile learning environment mainly using micro-lesson video and other forms to teach students. Students have a strong interest in college English courses while learning relaxed, and not only to ensure the efficiency of students' learning, but also to break through the limitations of traditional teaching mode. Therefore, in the process of video production, teachers should fully understand the content explained in this chapter. The content of this chapter carries out a key and difficult analysis. Video content should highlight the key points, so that students can have an overall grasp of the content of this section, so as to better improve the efficiency of students' learning. While highlighting the key points, the contents of the video should also ensure students' understanding and mastery of the key contents. Therefore, the production of video content should use concise language and simple form to highlight the key content of this chapter.

### **4.2 The content of the course should be interesting.**

Secondly, the content of the course should be interesting enough to attract students' interest in learning. As the saying goes, interest is the best teacher. Even in the stage of college teaching, it is especially important to attract students' interest. Firstly, the teaching mode is innovated and broken through in the mobile learning environment. Secondly, in terms of teaching content, it is necessary to ensure that the course content is interesting. In the process of college English teaching, the Settings are all calculated according to the course hours. That is to say, the time of the whole class will be controlled within about one and a half hours. How to ensure that students can actively learn the content of the course within one and a half hours? This requires that the content of the course should be set up to attract students' interest and at the same time provide a relaxed learning environment for students. Before setting up the course content, teachers should have a comprehensive understanding of students' overall hobbies and interests. Situational teaching can be set up by using the flip class to enable students to express themselves in English while having a holistic grasp of the course content.

### **4.3 PPT production strives to be beautiful and harmonious**

Thirdly, PPT production strive to be beautiful and harmonious, to achieve a pleasing effect. The beauty and harmony of PPT production is one aspect, because the idea of teachers and students is little different to a certain extent. Teachers' PPT presentation is for students to watch, so before PPT production, teachers need to understand the current trend of students' pursuit, so that students can achieve a pleasant effect, which is half of the success of course content teaching. In addition, in the process of PPT production, all difficult points and emphases should not be piled together, but the basis, difficult points and emphases should be reasonably matched. In this way, it is also conducive to students' absorption and understanding of the content.

### **4.4 Convenient for mobile terminal to play**

Fourthly, mobile terminals should be convenient to play and occupy as little valuable classroom time as possible. The production of micro-lesson should fully consider the characteristics of small storage space and limited screen size of mobile phone. Considering the storage space of SWF and WMV files is small, the files in this format can be used for micro-lesson resources. Audio files are as far as possible to use mono, can use mp3 format files. The content of each picture should not be too much, the key parts can be appropriately enlarged or use close shot recording. Therefore, in the mobile learning environment, teachers should really master the technology of mobile terminal broadcasting and other aspects, and consider the practical application under the premise of

guaranteeing the teaching quality. In addition, with the continuous development and progress of the society, it is still necessary to constantly innovate the mobile terminal broadcasting technology, improve its application level, and enable students to master the course content more comprehensively.

## **5. Research prospect analysis of the teaching mode of WebQuest in college English flip class in the mobile learning environment**

The research prospect analysis of the teaching mode of WebQuest in college English flip class in the mobile learning environment will be made from two aspects. On the one hand, the teaching level of teachers and the construction of the teaching staff will greatly affect the promotion of teaching mode and the improvement of education and teaching level in China. Therefore, schools should strengthen and improve the construction of the teaching staff, and put forward strict requirements when recruiting teachers. Teachers must affirm the advancement and scientificity of teaching methods in mobile learning environment, and innovate and improve teaching concepts. On the other hand, the speed of information technology update in modern society is accelerating. In order to ensure the development and progress of China's education, the teaching mode of WebQuest in college English flip class in the mobile learning environment should be positively innovated and adjusted, so as to stimulate students' interest and potential in English learning to the greatest extent.

## **6. Summary**

In this paper, the research status and prospects of the teaching mode of WebQuest in college English flip class in the mobile learning environment were elaborated in detail, and puts forward some improvement strategies for the problems existing in the teaching mode of WebQuest in college English flip class in the mobile learning environment. To sum up, in order to promote the better development of education in China and improve the level of education and teaching in the University stage, we need to seize the opportunity of innovation of science and technology, and constantly break through the shackles of traditional education and teaching concepts. Moreover, the development of education should keep pace with the times. The improvement of education level has positive significance for promoting the development of various industries in the country, and vice versa. Therefore, in the context of mobile learning environment, we should actively use information technology to promote the better development of China's education.

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