

Smart Classroom Model of College English in the Context of Big Data

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Abstract: *The formation of intelligent classroom education mode is a new education mode under the background of Internet development, which breaks the time and space limitations of traditional education and enables students to consult knowledge at any time through the Internet. The establishment of smart classroom strengthens the interaction between teachers and students, integrates various educational functions, improves the efficiency of classroom teaching, and urges students to develop their independent learning ability, which is the main achievement of the current development of smart education. This paper explores the establishment of college English classes under the development of the Internet in the new era. Through the combination of online and offline education, it can improve the efficiency of classroom teaching and provide a development direction for educational reform.*

Keywords: *Big data; Smart classroom; College English; Efficient teaching*

1. Introduction

With the development of higher education in China, the traditional teaching of English writing has begun to expose problems, mainly in teaching content, methods and evaluation. There are still more or less problems. Therefore, under the background of big data, the research on the practice and exploration of college English writing teaching reform in this paper is of certain significance, which is helpful to improve and enhance college English teaching. Big data technology can be used to guide students to feel their interest in learning English, improve their comprehensive quality in an all-round way, and have a positive impact on the country and students themselves in the future.

2. Smart Classroom

The reform and development of modern education put forward higher requirements for teaching work, and the deep integration of education and emerging Internet technologies has also promoted the development of information technology in education. The establishment of a smart classroom is a new and innovative educational model, which is a derivative of the concept of smart teaching. Smart education creates an open, intelligent and personalized teaching system through the application of modern technologies such as big data, cloud computing and the Internet. Use the smart platform to strengthen the communication between teachers and students, so that the relationship between classroom learning, teachers and students is closer and stronger, the three interact and develop mutually, improve classroom efficiency and teaching quality, and cultivate students' independent learning ability. At present, the establishment of smart classroom is based on the development requirements of students' comprehensive core literacy. Through the construction of smart platform, more guidance is given to students to build a smart virtual college teaching classroom. Break the limitations of online education and offline education, achieve the integration of teaching inside and outside the classroom, and promote the innovative development of college education reform^[1].

Compared with the traditional teaching classroom, the teaching task of smart classroom takes developing students' wisdom as the basic teaching task, cultivates students' core quality, and improves students' comprehensive quality. At the same time, we will use advanced information technology to combine with efficient classes and embrace the smart teaching classroom environment. The establishment of college English smart classroom based on big data has achieved the educational purpose of deeply integrating traditional classroom and information technology and improving the comprehensive quality of both teachers and students.

3. Smart Classroom Model of College English Based On Big Data

3.1 Innovative education mode of college English

In the traditional college English classroom, due to the limitations of teaching materials, tools and venues, the classroom effect is limited. College English textbooks are usually used as the core to expand the teaching curriculum. In the teaching classroom, teachers' dominant position restricts the cultivation of students' autonomous learning ability. Compared with other disciplines, passive learning of English will limit students' thinking development, which is not conducive to cultivating students' English thinking mode. However, the smart college English classroom based on big data has built a new classroom teaching environment, added more teaching designs through a variety of interactive modes, attracted students' attention in classroom learning, and driven their enthusiasm for English learning.

3.2 Strengthen students' comprehensive English application ability

The knowledge learning of English discipline requires students' practical ability. As a required language discipline, students need to apply the English language knowledge learned in the classroom to practical communication to achieve the goal of college English teaching. In the new era, the smart teaching class of college English is introduced. Teachers build smart teaching classes for students, use the Internet to introduce more educational resources, facilitate students to query information, and complete autonomous learning under the guidance of teachers. By using the smart classroom, teachers can upload the teaching materials involved in this course before class, and students can learn independently before class according to the teaching materials^[2]. When students have a certain understanding of knowledge, they can better complete the following teaching tasks. The cultivation of students' autonomy is necessary for the development of students' comprehensive quality. In classroom teaching, for the key and difficult points of teaching knowledge, teachers can diffuse students' thinking by strengthening teaching design, give more knowledge enlightenment to students, help students build an English application platform, give students more practical opportunities to think about and apply English knowledge, and gradually improve students' English learning ability.

4. Innovative Practice of Smart Classroom in College English Teaching

4.1 Promoting the coordinated development of the teaching system

The development of efficient teaching does not only lie in the factors of teachers, but also in the unified cooperation between different subjects in teaching. When promoting the application of smart classroom in college English education, college leaders should actively respond, introduce new information technology into classroom education based on new education concepts, deeply integrate big data system with classroom education, and improve teaching quality with modern teaching technology. The establishment of intelligent classroom and the application of information and intelligent technology put forward higher requirements for college English teachers. Teachers need to rely on big data technology, cloud computing, the Internet and other intelligent teaching tools, strengthen the design of teaching links, give full play to the advantages of Internet intelligence, and grasp the concept of college English smart classroom. In the traditional teaching classroom, the education mode adopted by the teachers as the main body is just unilateral knowledge teaching, and the students' learning is too passive and the learning efficiency is low. The construction of smart classroom in the new era fully emphasizes the dominant position of students in the classroom. The classroom will provide more learning resources for students, build a more diversified teaching system, meet more needs of students for knowledge and make full use of modern technology to complete learning. The establishment of the smart platform not only builds an efficient teaching environment, but also strengthens the communication between teachers and students, breaking the limitation of space and time, so that teachers and students can communicate at any time. It is of positive significance to the cultivation of talents and the improvement of teaching quality. Therefore, it is necessary to promote the coordinated development of college English teaching system.

4.2 Standardize the content of smart classroom teaching

Different from the traditional teaching classroom system, the knowledge carrier, teaching methods

and teaching tools used in the smart classroom teaching of college English are different. Smart classroom is not only to computerize book knowledge, but also to strengthen the sharing of teaching resources based on big data platform, improve classroom teaching efficiency and complete college English teaching tasks in a more flexible way. In the requirements of talent cultivation in the new era, college English needs to cultivate talents' knowledge application ability, professional ability and self-learning ability. Compared with other disciplines, college English is a special educational discipline that needs systematic planning. By strengthening students' knowledge reserves and practical application ability of knowledge, students' English can meet various task requirements in different situations and strengthen the application ability of English language, rather than being limited to examination. Therefore, English teachers are required not only to cultivate students' knowledge and ability, but also to systematically consider the whole system of English, formulate scientific and reasonable ability goals, integrate teaching tasks and activities into the wisdom platform, create more English practice opportunities for students, and deepen students' grasp of knowledge^[3].

4.3 Design of smart classroom teaching practice

In the process of college English teaching, teachers' training objectives for students are not only English knowledge, but also practical ability. English teachers should strengthen the comprehensive development of practical teaching and knowledge teaching. Multimedia technology is not a simple teaching display, but more interactive teaching design based on it. Through more understanding of students, teachers can master students' learning interest and learning basis, and conduct scenario simulation design through various classroom teaching links to reflect the teaching practice of smart classroom, create a good teaching atmosphere in audio, video, text and other forms, improve students' enthusiasm for classroom learning, and create more practice opportunities for students, so that students can take the initiative to open their mouth and speak English in situational practice. In order to improve the practicability of English, English teachers can use negotiation, reception, meeting and other experiences as scenes when setting up scene simulation, so that students can better experience social communication, and better use English listening and speaking to exercise reading and writing abilities.

4.4 Optimize teaching assessment mechanism

The reform of the classroom teaching system should also be accompanied by the reform of the teaching assessment mechanism. The assessment mechanism adopted for students in the traditional teaching classroom will have many shortcomings when inspecting students' English knowledge. The overly backward assessment mechanism will also directly affect the effectiveness of English teaching. In order to promote the construction of an efficient classroom, teachers should actively optimize the teaching assessment mechanism. When promoting the construction of college English smart classroom assessment, we should first determine the diversity of teaching assessment content. Through the diversified assessment of students, we can accurately grasp the students' mastery of knowledge and actual application. At the same time, students' learning attitude and enthusiasm should be included in the assessment scope. We should change the assessment system of traditional exam oriented education, and through diversified assessment mechanisms, Strengthen the emphasis on practical ability. Teachers can simulate more practice scenarios by using the smart platform, and students can practice listening, speaking, reading and writing in their own familiar or habitual scenarios, which can highlight their practical ability. The assessment mechanism should not be too limited, but should make the assessment method more open, so that students can show their learning achievements more flexibly. In this process, teachers can also more comprehensively grasp students' learning status, and observe students' real-time situation through the establishment of students' learning files. In the process of establishing the teaching assessment mechanism, teachers, as the assessment subject, should also participate in the teaching assessment. Through the evaluation of teachers by students, teachers can summarize their own shortcomings, optimize the teaching plan and improve the teaching quality, truly reflecting the educational concept of cultural education^[4].

In the process of establishing college English smart classroom, the most positive role played by big data is mainly reflected in the collection of teaching data. Teachers can use a variety of teaching tools such as WeChat official account to complete the collection of students' test results, class attendance, communication and discussion and other teaching data. The big data system's data collection for students is dynamic and can capture students' learning process. Teachers can use the data collected by big data to comprehensively analyze and judge students' learning attitude, learning progress, etc. The teaching system assessment carried out by the big data system for students is not limited to exam

results. When setting the teaching assessment mechanism, teachers can gradually change the assessment for students from focusing on results to focusing on learning process based on the comprehensive record results of big data for students.

4.5 Improve English teachers' comprehensive teaching ability

With the development of information technology in education and the establishment of smart classroom, college English smart classroom has put forward higher requirements for teachers' teaching ability. Teachers need to keep up with the needs of the times and social development, actively respond to the call of the new curriculum reform, constantly improve their comprehensive quality, learn information technology teaching knowledge, and integrate the information technology they have learned into English classroom teaching. The integration of information technology and classroom teaching not only improves teaching efficiency, but also expands more possibilities for teaching models. Teachers can use the big data information platform to query more teaching resources and obtain more learning and exchange opportunities, which is conducive to deeper research and thinking on the establishment of smart classroom. Students can use the smart platform to complete cooperation, teaching evaluation and other functions, and ultimately achieve the goal of improving comprehensive quality. The adjustment and in-depth research of teachers' classroom teaching methods have also effectively improved teachers' teaching ability, and they should implement the improvement of their own ability into the whole learning process. Through the continuous improvement of their own ability, they can bring high-quality teaching classes to students. Through more communication with students, they can do a good job of guiding students. In the age of big data, teachers have not only improved their ability to use information technology, but also brought more opportunities for teachers to carry out international academic exchanges, truly realizing the educational purpose of the common development of teachers' and students' humanistic qualities^[5].

5. Conclusion

At present, the establishment of college English smart classroom is more in line with the requirements of English reform and education, and also meets the higher demand for talents in the new era. With the continuous improvement of digital campus construction in colleges and universities, smart classrooms have gradually played a greater educational advantage in college education, and the use of modern information technology to strengthen the application of big data has guaranteed the implementation of smart classrooms and English classes. As a brand new teaching method, smart classroom teaching mode no longer confines learning to classroom space, but runs through the whole process of class. By providing students with rich teaching resources and multiple interactive ways for teachers and students, teachers can timely obtain students' learning conditions, guide students to complete independent learning and cooperative inquiry learning, and create a harmonious relationship between teachers and students^[6]. The application of smart classroom in college education is an inevitable trend of the times. In practical teaching, smart classroom will gradually improve theoretical knowledge, enrich practical experience, and build a more efficient education system.

References

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