

A Study on the Construction and Evaluation of College English Wisdom Classroom in the "Internet Plus" Era

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ABSTRACT

Wisdom classroom is the inevitable result of the deep integration of information technology and education under the background of "Internet plus education". Wisdom education is the development direction of future teaching, and creating wisdom classroom is an effective way to realize wisdom education. The Internet has played a significant role in promoting wisdom education. It has promoted the intelligent upgrade of learning environment, the intelligent reconstruction of classroom model, and the transformation of teachers' and students' roles and teaching mode. Meanwhile, the Internet has also promoted the wisdom of the learning process. In the context of "Internet plus", college English wisdom classroom breaks through the time and space restrictions and relies on information technology to create an intelligent, personalized, open and efficient learning mode of wisdom education. The construction of college English wisdom classroom needs the intelligentization of teachers' teaching process and students' learning process from the three links of pre-class, in-class and after-class activities. With students as the main body and teachers as the leading role, college English Wisdom Classroom adopts the seamless combination of online and offline teaching and learning to promote effective teaching of teachers and efficient learning of students. The evaluation system of college English wisdom classroom also plays an important role in the implementation of wisdom education. The diversified, real-time, visualized and individualized evaluation system is a strong guarantee for the implementation of wisdom education.

Keywords: College English, Wisdom classroom, Wisdom education, Teachers, Students.

1. INTRODUCTION

The arrival of the information age has brought the Internet, big data, cloud computing, artificial intelligence and many other new technologies. Thus, the concept of "Internet plus" has also penetrated into every aspect of people's lives. With regard to education, a new model of wisdom education based on "Internet plus" has been formed. It is emphasized that information technology has a revolutionary impact on the development of education in *The Outline of the National Program for Medium-term and Long-term Education Reform and Development* (2010-2020) [1]. "Education

Informatization 2.0" published by China's Ministry of Education in 2018 points out that on the basis of various technologies such as artificial intelligence, big data and Internet of Things, innovative research and demonstration of wisdom education should be actively carried out to promote the mode transformation and ecological reconstruction of education supported by new technologies. Wisdom education has become a new realm of educational informationization and a new direction of global educational reform. How to construct intelligent learning environment, how to use intelligent teaching methods and how to promote learners' intelligent learning are the core of wisdom education. In the 21st century, the deep integration of information technology and education has become a general and irresistible trend. In this context, the construction of wisdom classroom has

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attracted more and more researchers' attention. Then what is wisdom classroom? At present there is no unified definition of this both at home and abroad. Wisdom education is an innovative form of education, and wisdom classroom is its derivative. Through the application of modern information technology and in line with the principles of individuation, openness, intelligentization and diversification, wisdom education makes students, teachers and classroom environment interact with each other and restrict each other. Finally, an open, independent and efficient classroom learning mode for learners can be formed.

Such problems as "dumb English" and "time consuming but low efficiency" are the long-standing phenomena in college English teaching in our country. What's more, with the total class time cutting down and the teaching contents becoming more, it is difficult for students to digest and master the content. Traditional teaching methods cannot meet the needs of the current college English teaching. The goal of students' autonomous learning and active learning for college English teaching cannot be fulfilled. The emergence of new technologies has promoted the informational development of education. These emerging technologies enable a seamless integration and sharing of various educational resources, improving the perception of educational environment and teaching activities. How to integrate information technology into the classroom, break the traditional limitation of "time and space", build an open, efficient and independent wisdom classroom and establish a comprehensive and effective evaluation system is of far-reaching significance to the reform of college English teaching. College English is an important public basic course in higher education, which can cultivate students' comprehensive application ability. In the teaching process, how to choose teaching content, how to organize teaching and what kind of teaching methods to adopt must be carefully considered and designed. Teaching design needs systematic planning, reasonable arrangement and decision-making to achieve novel, interesting and effective effects in class. The construction of college English wisdom classroom conforms to the trend of The Times and contributes to the new realm of education informatization.

2. DEFINITION OF WISDOM CLASSROOM

The deep integration of modern education and emerging technologies (cloud computing, big data,

Internet of Things, artificial intelligence, etc.) makes education informatization enter the 2.0 era. Wisdom education is the direction of future teaching development, and creating wisdom classroom is an effective way to realize wisdom education. The new generation of wisdom classroom aims to improve students' core literacy, takes advanced learning theory as the guiding concept, and makes use of modern advanced intelligent technology to create intelligent and efficient classroom. Through the construction of the overall architecture of the intelligent learning platform, an integrated teaching and learning environment such as online and offline, in and out of class and virtual reality is created to promote the innovation and intelligent development of teaching mode.

As for the definition of wisdom classroom, different people hold different opinions. Zhu Zhiting, a well-known expert in the field of education informatization in China, believes that wisdom education in the information age promotes learners' wisdom learning by constructing an intelligent learning environment and using intelligent teaching methods [2]. Liu Bangqi believes that the concept of wisdom classroom can be understood from two perspectives: one is from the perspective of education, which holds that wisdom classroom is a process of developing students' wisdom; the other is from the perspective of information, holding that wisdom classroom is to realize the informatization and intelligentization of classroom teaching by using advanced information technology [3]. Cui Xiaohui believes that wisdom classroom is a class that solves problems in an intelligent way and promotes the growth of students. Wisdom education weakens the concept of traditional classroom and highlights the importance of online courses. It emphasizes that students can learn at any time and anywhere, conduct personalized learning according to their own learning interests and habits, and feedback problems in time [4]. Immediacy, interaction and personalization are important characteristics of wisdom classroom. Based on constructivism learning theory, wisdom classroom constructs an intelligent and personalized teaching mode before, during and after class using big data, Internet of Things, mobile Internet and other new information technologies, which is mainly reflected in the characteristics of data-oriented teaching information, personalized learning methods and real-time learning evaluation.

3. THE INTERNET'S PROMOTION OF WISDOM EDUCATION

3.1 The Intelligent Upgrade of Learning Environment

The intelligent upgrade of classroom environment is the first step in the development of wisdom classroom, only to have a trinity system environment including intelligent learning terminal, intelligent learning management platform, intelligent learning software and resources", a common classroom can be upgraded to a flexible and open, resource sharing and convenient operation learning space with learning marks. According to the learning situation, colleges and universities can make use of different intelligent learning environments. For instance, schools can create students' learning websites, class homepages and learning resource libraries based on students' English learning situation. In this way, students can use their fragmented time to learn diversified knowledge and contents through broad learning paths.

3.2 The Intelligent Reconstruction of Classroom Model

Classroom teaching is the core carrier to achieve educational goals. In order to achieve the goal of developing students' core literacy, the roles of teachers and students and the teaching mode must be fundamentally changed.

Firstly, the roles of teachers and students should be transformed totally. Students in wisdom classroom are no longer recipients who always wait for the knowledge imparted by teachers, but active explorers and thinkers who will become a critic when they are confronted with problems. Students in the process of learning should always keep a clear head, have their own ideas and judgment and do not follow what others say. The role of the teacher in wisdom classroom should also be changed. They are not givers or rulers any more, but as coaches and guides they lead students to study together. What's more, they should be supervisors, urging students to learn in accordance with the established goals, become the designers of students' learning environment, prepare a variety of learning paths for students and provide a diversified learning platform for students.

Next, the teaching mode should be transformed accordingly. With the continuous advancement of wisdom education, the teaching mode has changed.

Teachers should carry out task-based teaching centring on learning objectives. Teachers can also assign a number of questions on the basis of learning content, so that students can enter the wisdom learning platform for college English by themselves or in groups, think in a way from simple to profound under the direction of teachers' questions, and eventually get the desired answers. In this process, teachers assign tasks through the Internet, students complete tasks through the Internet, and the whole learning process is task-oriented, fully embodying the new mode of task-based teaching.

3.3 The Intelligent Improvement of Learning Process

Learning process is the most important part of wisdom education. Learning content, learning method and learning evaluation are the main components of learning process, and the transformation of these three parts will bring an intelligent improvement in learning process.

Firstly, the learning content transformed from being closed to open. In traditional teaching, the main source of learning content is from classroom, and what teachers teach in class is the learning content of students. With the development of wisdom education, students' learning content has become richer, not confined to what they have learned in class. As long as students click, they can get "inexhaustible" learning resources through the Internet from various fields.

Secondly, the learning methods transformed from solidification to autonomy. In wisdom classroom, students' learning methods have also changed. Students can choose their own learning content and assignments that meet their own acceptance and level, explore the matters they are interested in and monitor their own learning process independently. Meanwhile, teachers retreat behind, weaken the "teaching", and strengthen the "learning", so that every student's learning becomes more active, more effective.

Thirdly, the evaluation of learning transformed from being postponed to timely. After having finished learning a lesson or a unit, they can test themselves on the Internet. After the test, the system will give scores immediately. Students can read about their mistakes and comments on each question, and clearly understand their learning situation and shortcomings. Teachers can also check the completion of students' homework

through the intelligent teaching platform, summarize the difficulties of students' learning in time, and make the adjustment of the teaching content accordingly. The diagnostic data generated by the system of the platform can clearly reflect students' learning weaknesses and changes in academic performance, providing a basis for accurate teaching.

4. THE CONSTRUCTION OF COLLEGE ENGLISH WISDOM CLASSROOM BASED ON "INTERNET PLUS"

In order to adapt to the new teaching mode, many colleges and universities have established their own "teaching cloud platform" for online teaching and resource management. Wisdom Classroom integrates online and offline courses, combines blended teaching and flipped classroom, and initially achieves pre-class arrangement, in-class interaction between teachers and students, after-class questions- and- answers counselling and evaluation feedback [5]. It is a brand-new teaching mode to realize the full monitoring of students' learning process through the Internet technology. Under the wisdom education, a teaching system of college English wisdom teaching is set up, and a series of intelligent teaching activities are designed, with much closer teaching links, personalized training scheme, intelligent push of resources, intelligentization of teaching activities, the interaction of teaching and learning, the diversity of evaluation, and the prompt real-time feedback. In this way, a comprehensive and thorough innovation of college English classroom teaching can take place.

4.1 *Pre-class Design of Wisdom Classroom: Independent Learning*

In the warm-up activities before class, teachers should flexibly and pertinently design online previewing content on the basis of students' learning characteristics and English level. By pushing a variety of media resources related to the theme of each lesson, selecting suitable MOOCs, interesting micro classes by others or the teacher himself or herself, etc., the English vocabularies and expressions, the cultural background of British and American countries, and the grammatic points can be mastered by students themselves. According to the specific content and objectives, the proper medium or efficient mixed teaching mode should be adopted, such as flipped class. For instance,

teachers can integrate the online resources efficiently, arrange the self-study assignments in a reasonable way, and deliver the interesting contents to students timely on the intelligent learning platform before class. At the same time, autonomous learning tasks can be released and discussion platforms should be opened to facilitate students' understanding of the background knowledge of this lesson, and teachers should make timely follow-up and communication with students. The development of college English wisdom education should be learner-centered, that is to say, intelligent learning requires students to have strong learning ability. Based on the campus network space and intelligent learning platform, students can carry out independent English learning in the environment of wisdom classroom and share high-quality resources at any time and everywhere. Through various English resources pushed by teachers on the intelligent platform, students can learn independently according to their own needs and abilities with high efficiency in a personalized way. In this process, students can also interact with teachers in a three-dimensional way, tap their own interests and potentials, and think critically and reshape their own values while acquiring English knowledge and skills.

4.2 *In-class Design of Wisdom Classroom: Collaboration and Inquiry*

The traditional silent and question-and-answer class teaching mode is abandoned in wisdom classroom. Instead, wisdom education advocates dialogue and critical-thinking approaches. In wisdom education, information technology runs through the whole teaching process. At the beginning of the class, students can scan the code to enter, and the real class is synchronized with the virtual class on the platform. Students can receive all kinds of English materials taught by teachers, in-class test, real-time comments and new task push, etc. at any time. Teachers are no longer the transporters of knowledge like in the traditional classroom, but the organizers of the classroom and the enlighteners of knowledge. Teachers can create a variety of real-time English situations during the lecture, carry out group English interaction, interesting English guessing activities, all-English speech activities for presentation, or English dubbing competition, etc. With the assistance of information technology, college English wisdom classroom can carry out multi-screen teaching and real-time multi-media switching, and share various high-quality resources to facilitate the effective

implementation of teaching and students' efficient learning.

In college English wisdom classroom, Students are no longer blind listeners and stenographers like in traditional classroom, but the central subjects and participants in the class. The classroom is no longer the traditional mode of teachers' speaking and students' listening. Instead, there are a variety of new modes, such as students' speaking and students' listening, students' asking and students' answering, discussion and debate among students. On the intelligent platform, students can participate in situational English learning and team cooperation, explore the experiential learning, and communicate in oral English according to the detailed assignments given by teachers. Students can also take part in some interactive quiz games and enliven the class atmosphere through a barrage of comments in English. In this way, various knowledge points and skills can be consolidated and internalized. Wisdom classroom integrates learning-oriented inquiry and collaboration learning, experiential reflection learning and game-based learning to enhance students' interests in English learning, which not only helps students to master knowledge and skills, but also promotes the formation of students' cognition, innovation and wisdom.

4.3 *After-class Design of Wisdom Classroom: Efficient Communication and Personalized Guidance*

After class, teachers design diversified English homework and push homework on the basis of the content and objectives of the class. Teachers can let students choose the forms of homework according to their own interests and specialties, such as English video recording, English broadcasting and team-based performance, etc. and upload their homework on the intelligent learning platform. Teachers can conduct layered teaching based on students' differences, issue different targeted assignments and ask students to submit them within a deadline. Teachers can also set objective and subjective English questions for tests. For objective questions, teachers can store big data through the intelligent homework correcting system and understand the problems of students' homework and the learning effects through visual charts. Subjective questions aim to the evaluation of the output ability of students' language. For example, for compositions and translations, teachers can finish the correction through the correcting

platform on the Internet, then record micro-class videos about common problems and push personalized problems to specific students in the form of private messages. Students can have efficient communication with teachers about what they do not understand or what is difficult on the intelligent platform. With the help of the intelligent platform, teachers can break through the time and space limit, and carry out personalized counselling and communication to promote each other in teaching.

5. THE CONSTRUCTION OF A DIVERSIFIED EVALUATION SYSTEM FOR COLLEGE ENGLISH WISDOM CLASSROOM

Teaching evaluation is the evaluation of teaching effect and the basis of adjusting teaching strategy. The construction and implementation of wisdom classroom need a set of evaluation system for evaluation and assessment. The evaluation system can carry out dynamic evaluation through network, big data, cloud computing and other technologies, which can assure the quality of the teaching process [6]. The main purpose of the evaluation system is to obtain objective and accurate evaluation of learning situation and real-time evaluation of students' learning effect, while avoiding one-time and result-oriented evaluation in the past and focusing on process evaluation.

The evaluation of college English wisdom classroom includes online evaluation and offline evaluation. Online evaluation is aimed at students' performance in virtual network class. In other words, a large amount of big data such as learning behaviour, habit, time and effect will be left in the process of learning on intelligent platform through the use of smart phones, which can be used as an important basis for online evaluation. Offline evaluation is mainly based on students' performance in physical class, learning attitude, attention state, engagement, communication and participation [7]. In addition to online and offline evaluation, wisdom classroom advocates diversified evaluation, including teachers' evaluation, students' mutual evaluation and students' self-evaluation. From the learning content, students' independent learning ability and cooperative inquiry ability can be evaluated. The advantages of the evaluation system are the diversification, real-time, visualization and individualization, and the objective evaluation can be carried out through the scientific and complete data provided by the

platform. Such an evaluation will bring beneficial stimulation of students' autonomous learning ability, so as to realize the guiding function of wisdom classroom.

6. CONCLUSION

Wisdom classroom is the inevitable outcome of the development of "Internet plus" information technology. With the help of information technology, college English wisdom classroom is full of unprecedented vitality and wisdom. This study combines "Internet" with college English wisdom classroom, expounds the Internet's promoting effect on wisdom education, and discusses the construction and evaluation of college English wisdom classroom under the background of "Internet". However, the implementation of college English wisdom education needs schools' offering a sound learning platform as a guarantee, a large number of English teachers' great efforts and wisdom, the wisdom from the main body-students, and the improvement of evaluation system to escort wisdom education. These links are interlinked and indispensable. Therefore, there is a long way to go for the construction and improvement of college English wisdom classroom. With the passage of time, the continuous run-in between teachers, students and wisdom classroom will eventually develop in the direction of harmony and promotion.

AUTHORS' CONTRIBUTIONS

This paper is independently completed by Yinping Tong.

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