

## Wisdom Teaching of College English based on Rain Classroom

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**Abstract:** The wisdom teaching reform of college English based on the rain classroom meets the new needs of the society for English talents. It can cultivate students' good learning habits, guide students to carry out inquiry learning and independent learning, and highlight the value of college English education. In order to give full play to the advantages of rain classroom in college English wisdom teaching, this paper focuses on three aspects: teaching design, teaching application and teaching rethink. The teaching design includes teaching objective design, teaching resource design, teaching environment design, and teaching model design; The teaching application includes three links: before class, during class, and after class. The specific application content is also pointed out; The teaching rethink includes increasing language input and output, not relying too much on rain classroom tools, and improving students' cross-cultural communication skills, etc.

### 1. Introduction

Wisdom is the eternal pursuit of education, the development of wisdom is the basic value trend of contemporary education reform, and human understanding of wisdom education is a gradual process. The thought of wisdom education was first put forward and elaborated by philosophers. The starting point and destination of wisdom education from the perspective of philosophy is to awaken and develop human wisdom. Wisdom education uses information technology represented by the Internet of things and cloud computing to coordinate planning and coordinate the development of various informatization work of the education system, transform education concepts, content and methods, with application as the core, strengthen service functions, and build a network, digital, personalized, intelligent and international modern education system. Intelligent education is to build a learning environment of technology integration, so that teachers can use efficient teaching methods, and learners can get appropriate personalized learning services and good development experience. Wisdom education turns impossible into possible, small energy into great energy and cultivates talents with good value orientation, strong action ability, good thinking quality and deep creative potential. The scope of wisdom education is wider than that of wisdom campus and wisdom classroom, which can be understood as wisdom education system, including modern education system, modern teacher system, students in the information age, wisdom learning environment and wisdom teaching mode. Among them, the wisdom teaching mode is the core of the wisdom education system.

Rain classroom is a new wisdom teaching solution jointly launched by Tsinghua University and Xuetang online, and it is the latest research result of the online education research center of the Ministry of Education, which is committed to providing quick and free data and intelligent information support for all teaching processes. The purpose of teaching based on rain classroom is to comprehensively improve teaching experience, let teaching and learning release more energy, let students learn in entertainment, and play in learning. Rain classroom integrates complex information technology into PowerPoint and wechat, and establishes a communication bridge between extracurricular preview and classroom teaching, so that classroom interaction will never be offline. Using rain class, teachers can push pre class courseware with MOOC video, exercises and voice to students' mobile phones, and teachers and students can communicate and give feedback in time; Real time question answering and bullet screen interaction in the classroom provide a perfect

solution for the interaction between teachers and students in traditional classroom teaching. Rain classroom covers every teaching link before, during and after class scientifically. It provides teachers and students with complete and three-dimensional data support, personalized reports and automatic task reminders to make teaching and learning more clear.

The goal of college English teaching is to cultivate students' comprehensive ability of English application, so as to meet the needs of social development and international communication in China. College English should vigorously promote the integration of the latest information technology and curriculum teaching, and continue to play the important role of modern education technology in English teaching, especially information technology, so that students can develop towards the direction of active learning, autonomous learning and personalized learning. Based on the transformation and development background of application-oriented universities, teachers should make full use of information resources, apply Internet, computer, smart phone and projection technology to college English teaching to improve students' autonomous learning ability, and pay attention to the cultivation of students' innovation ability. The wisdom teaching of college English based on rain classroom can reasonably use teaching methods and teaching strategies, intelligently organize teaching activities, complete the transition from knowledge to wisdom, and train students to be wisdom talents.

## **2. Advantage on Wisdom Teaching of College English based on Rain Classroom**

Compared with the traditional college English teaching, the college English wisdom teaching based on rain classroom has obvious advantages, which are reflected in the following aspects:

(1) Panoramic recording of teaching big data. The college English wisdom teaching based on rain classroom records all the steps of the teaching process as much as possible, and can reproduce the whole teaching process in the future. There are many systems to record teaching data, but there are not many systems like rain class that can record the whole teaching data from before, during and after class. Only panoramic recording can restore the real teaching process at any time and make the classroom reappear completely; only panoramic recording can objectively and scientifically reflect the current situation of teaching and provide basis for decision-making.

(2) Two channel teaching in the background of mobile Internet. Using information technology to establish synchronous and asynchronous communication channels in teaching can make all teaching contents and forms be taught through the most appropriate channel. Basic knowledge can be explained asynchronously before class, and the rhythm of each student's watching slides in class does not need to be synchronized, or can be completed asynchronously. The in-depth discussion of the difficulties in class, the guidance of values and the test of learning effect can be carried out simultaneously by all students.

(3) Reflecting the interest and exploration of English teaching. Cognitive learning theory regards learning as an active information processing process made by individuals according to their interests and combined with external stimulation. There are some interesting interactive ways in the rain class, such as rolling questions, bullet screen interaction and red envelope reward, which make the students refreshing and help to mobilize the classroom atmosphere. The data push function of the rain class shares the MOOC resources related to college English to learners, and students can choose their own learning content, which embodies a certain degree of exploration.

(4) Realizing the individualization and efficient interaction of English classroom teaching. The intelligent teaching based on the rain classroom has changed from the teacher centered knowledge teaching to the student-centered ability training, from "teaching before learning" to "learning before teaching, learning based teaching". Students' autonomous mobile learning after class and teachers and students' cooperation in class to explore and solve problems can improve students' autonomy and enthusiasm, realize more interaction between teachers and students, activate the classroom atmosphere, and achieve efficient classroom teaching effect.

### **3. Design on Wisdom Teaching of College English based on Rain Classroom**

According to the requirements of the curriculum standard and the characteristics of the teaching object, the teaching design is to arrange the teaching elements orderly and to determine the appropriate teaching plan. The design of college English teaching should reflect the students' autonomy and emotion in learning, give them a variety of opportunities to apply their knowledge, and widely tap and use various teaching resources. The teaching design of wisdom English teaching based on rain classroom focuses on the following aspects:

(1) Teaching objective design. Wisdom teaching is mainly aimed at the individual characteristics of learners, combining information technology with teaching, reorganizing teaching resources, and developing personalized teaching. Wisdom teaching aims to build knowledge, cultivate students' problem-solving abilities and creative thinking, and make them wisdom talents. The teaching goals have also changed, proactively adapting to the new situation of higher education development, proactively adapting to the new requirements of the college English curriculum system, proactively adapting to the new development of college English teaching in an information environment.

(2) Teaching resource design. College English teaching based on the rain classroom requires digital teaching resources. Digital teaching resources have the characteristics of digitizing processing technology, widening knowledge coverage, diversified expressions, sharing network transmission, and serializing teaching resources. Although the rain classroom platform provides a lot of teaching resources, college English teachers still need to redesign and supplement educational resources according to the characteristics of students. Presentation methods include graphics, images, animation, video, audio, and micro-learning, etc.

(3) Teaching environment design. The teaching environment is the existence form of dynamic teaching activities, which is inseparable from teaching activities. Teaching environment includes hardware environment and software environment. The hardware environment of college English teaching based on rain classroom includes teaching places, network facilities and terminal equipment. Its software environment includes rain classroom, rain classroom-related operating environment, and commonly used software tools. Rain classroom is a teaching tool developed based on the WeChat public account. Users do not need to install an app, they only need to follow the rain classroom public account on WeChat.

(4) Teaching model design. Blended teaching is a teaching method that combines online and offline teaching. Teachers can use various teaching methods flexibly, give full play to the role of inspiration, guidance and supervision in the teaching process, and improve students' autonomous learning ability. The wisdom teaching of college English based on the rain classroom is suitable for the use of blended teaching. Through the research and practice of the wisdom classroom, an effective teaching mode that conforms to contemporary educational concepts is established. This model adapts to the characteristics and needs of the network information age, brings new ideas to modern intelligent classroom teaching, is in line with college English and teaching characteristics, and has broad application prospects.

### **4. Application on Wisdom Teaching of College English based on Rain Classroom**

To apply rain classroom to college English wisdom teaching, it is necessary to give full play to the advantages of rain classroom data-driven and real-time interaction, give full play to the leading role of teachers, highlight the student's dominant position, and fully mobilize student participation and enthusiasm. The specific application process includes three links: before class, during class, and after class, as shown in Fig. 1.

(1) Before class. The teacher designs the teaching based on the analysis of the academic situation, and pushes the preview materials to the student terminal through the rain classroom. Students can learn online according to teachers' requirements and materials, or asynchronously according to their own time and place, and organize relevant information and discuss after mastering certain knowledge. The teacher summarizes the common problems according to the preview before class.

(2) During class. Around the common problems in students' pre class preview, teachers first throw out problems and explain the common and key problems accurately, then arrange students to discuss in groups, and guide students to carry out cooperative inquiry learning, open the curtain in the process of students' report and demonstration, and form students' cognitive structure through teacher-student communication and curtain interaction, so that teachers can summarize the learning situation.

(3) After class. Teachers push the homework and consolidate the materials through the rain class, and give the individualized instruction to students; students complete the homework and carry on the individualized study; students feed back the existing problems to teachers, so that teachers can carry on the individualized instruction. Through the interactive process, teachers reflect on teaching and optimize the design, students complete the knowledge consolidation and knowledge expansion.

Before class	Teacher	Recommend autonomous learning courseware	Online answering questions	Test prepare lessons before class	
	Student	Watch autonomous learning courseware	Online answering questions	Test prepare lessons before class	
During class	Teacher	Teacher teaching	Real-time schedule adjustment	Leading teaching activities	Real-time statistics
	Student	Student listening	Student feedback	Discussion, collaboration, exploration and interaction	Classroom testing
After class	Teacher	Online answering questions	Review material push	Analysis of learning situation	
	Student	Reviews and reinforces	Student feedback	Self summary	

Fig.1. Application link on wisdom teaching of college English based on rain classroom

## 5. Rethink on Wisdom Teaching of College English based on Rain Classroom

Teaching rethink is the re-recognition and re-thinking of educational teaching practice, which can be used to summarize experience and lessons and further improve the level of education and teaching. The wisdom teaching of college English based on rain classroom is a new teaching mode, and there will be various problems in the process of implementation, so it is necessary to promote the development of wisdom teaching of college English in depth through teaching rethink:

(1) English is a language practice course, so students need to input and output language constantly to improve their comprehensive ability. By using the pre class preview function of the rain classroom, students can read a lot and input more language. The function of after class homework in the rain class allows students to do a lot of oral and written exercises, and constantly strengthen their knowledge of words and grammar and so on.

(2) Rain classroom is only a kind of auxiliary tool for wisdom teaching, which cannot be relied on too much. College English classroom also needs teachers and students to work together, to give full play to the leading role of teachers, so that students really become the master of the classroom. Teachers should also adopt effective teaching methods and teaching arts to increase the interest of English teaching and improve the enthusiasm of students' participation.

(3) Language and culture are interdependent and influence each other, and language is the carrier of culture. The task of English teaching is not only to cultivate students' language ability, but also to improve their intercultural communication ability. Teachers should also push cultural videos related to learning content when using rain classroom to push pre class courseware, so that students can understand the culture behind knowledge more deeply.

## 6. Conclusion

College English is a course in which theoretical knowledge and practical skills are closely linked. Language should be given to students as a practical tool to highlight the four elements of “knowledge, skills, personality, and culture” in English education. The goal of wisdom teaching is to promote the generation of students’ wisdom through wisdom classroom teaching, and to train students to become wisdom talents. The wisdom teaching reform of college English based on the rain classroom meets the new needs of the society for English talents. It can cultivate students’ good learning habits, guide students to carry out inquiry learning and independent learning, and highlight the value of college English education. The research results of this paper are conducive to the cultivation of students’ ability of independent inquiry, cooperative communication and innovation, the realization of multi-channel communication and interaction inside and outside the classroom, the effective promotion of students’ learning, the improvement of classroom teaching efficiency, the overall improvement of college English teaching quality, and the cultivation of applied talents in college English teaching.

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