Research on the Teaching Plan of Modern English Reading Based on Data Exchange and Sharing Mode

Weiliang Dai1, *

1 Sichuan Vocational and Technical College, Suining, Sichuan, China, 629000

*Corresponding author e-mail: daiweiliang@sczyxy.edu.cn

Abstract. With the development of educational informatization and modern technology, information technology (hereinafter referred to as IT) has been gradually applied to modern English Reading (hereinafter referred to as English Reading) teaching program. As the core part of knowledge management, knowledge sharing has been widely used in enterprises, which requires us to strengthen knowledge innovation and adapt to social development. Therefore, knowledge sharing has attracted many educational experts to introduce it into the field of education. With the widespread application of IT, sharing mode based on data exchange has become an important research topic in current teaching. Through IT, teachers improve the interest of the classroom, which stimulates students' interest in learning. However, there are still many problems in the mode of data exchange and sharing, which will affect the teaching effect. Firstly, this paper analyzes the feasibility of data exchange and sharing mode. Then, this paper analyzes the design process of English Reading teaching plan. Finally, this paper puts forward the related computer technology.

Keywords: Data Exchange and Sharing Mode, Modern English Reading, Teaching Plan

1. Introduction

IT has brought great advantages to English Reading teaching. Through IT, teachers can make the teaching content image specific, which can also enrich teaching resources (hereinafter referred to as TR). By creating a real teaching situation, English Reading class will be more lively and interesting, which not only stimulates students' interest in learning English, but also effectively improves the efficiency of classroom learning[1]. However, there are still many problems in the teaching of English Reading, such as the lack of effective courseware and content sharing, the waste of resources, the interference of teaching objectives, and the dominance of teaching courseware. Therefore, we must improve the teaching philosophy of English teachers. By strengthening IT literacy, we can help English teachers better design English Reading teaching[2].

Teaching resources are the effective conditions to carry out information-based teaching, including teaching materials, teaching environment and teaching support system. With the deep integration of IT and English teaching, College English teaching is non-linear, which combines text, graphics, animation, sound and other information[3]. According to learners' needs, interests, task requirements,
preferences and cognitive characteristics, teachers can present the learning content in an efficient and open way, which will have the characteristics of diversity, interaction and sharing.

2. Feasibility of data exchange and sharing mode

2.1. Policy support
In order to promote the construction of educational informatization, the state has issued a series of policies and measures, which provide policy support for the integration and sharing of TR China's education. Through making full use of high-quality resources, which requires us to innovate the operation mechanism and mode. Through the integration of existing resources, China can build an advanced, efficient and practical digital education infrastructure. By establishing an open and flexible public service platform for educational resources (hereinafter referred to as English Reading), China can promote the popularization and sharing of high-quality English Reading. In 2012, China's colleges and universities need to make full use of IT, which will promote the sharing of high-quality English Reading. In 2013, China should expand the sharing of high-quality English Reading, which requires schools to complete the full coverage of digital English Reading. In 2014, China should comprehensively promote broadband network school to school, high-quality resources class to class, and network learning space to everyone. At the same time, the integration and sharing of teaching resources are also in line with the "ten year development plan". Therefore, the integration and sharing of high-quality English Reading has been supported by various national policies, which has become an inevitable choice for sustainable development in the information age.

2.2. Basic guarantee
The integration and sharing of English Reading teaching resources can’t be separated from the basic guarantee of resource construction, technology and personnel. With the deepening of College English teaching reform, great achievements have been made in the construction of College English teaching resources in China, which has greatly improved and developed to the resource platform. With the continuous advancement of IT, schools have realized the technology of digital English Reading integration and sharing. Up to now, colleges and universities have basically realized networking and digitization. Through the implementation of wireless network, the network basically covers every corner of the campus, which provides the basic conditions for the integration and sharing of College English TR

2.3. The need of the times
With the rapid development of society, the society puts forward new requirements for English talents. Therefore, the requirements of English Teaching in China's higher education are also changing. China's higher education must constantly carry out inter school cooperation. Through interdisciplinary, interdisciplin ary and cross regional collaborative innovation, colleges and universities can maximize the integration, sharing and complementary advantages of resources, which can fundamentally improve the comprehensive strength and competitiveness of colleges and universities. Therefore, the integration and sharing of modern English Reading teaching resources is the needs of the society and the development of the times, which is the needs of the society.

3. Design process of English Reading teaching plan

3.1. Analysis of learner characteristics
Learners are the center of English Reading teaching activities, which requires the analysis of learners' characteristics. Therefore, the analysis of learners' characteristics is a key link in the design of English Reading teaching system, including learners' social background, psychological and physiological development characteristics, learning expectation, learning style, knowledge structure, etc. In the design of English Reading teaching, we should investigate the learners who take part in the course,
including the measurement of learning style. Through the establishment of learners' files, we can master the learning needs and individual needs of different learners. Therefore, learners with different learning styles can provide appropriate learning suggestions, which will truly realize "teaching students according to their aptitude".

3.2. Content selection and organization
The selection of teaching content should try to select the information content suitable for the performance of IT. Through the selected teaching content, we can further decompose into a number of knowledge points, which will form nodes. Finally, we should arrange and organize the teaching content in various forms, which can be learned according to individual learning needs, text, graphics, voice, and animation. In the design process, we need to join the interaction as much as possible, which can stimulate the students' active participation and positive thinking spirit in the learning process. Therefore, we should establish a dynamic and huge resource database, including reference materials, background knowledge, cases, materials, website resources, learning tools, etc.

3.3. Design classroom reading exercises based on IT
Modern foreign language teaching theory and practice have proved that the quality and quantity of language input play an important role in foreign language teaching. Another characteristic of IT is its integration, including image, sound, text, animation and numerical value, which comprehensively displays the results on the screen. When designing classroom exercises, teachers should use PowerPoint software to design sentence patterns and text paragraphs into a slide. Through a certain color matching, with pictures or animation effect, teachers can present to students in a striking form. Through IT, we can design modern English classroom reading exercises, which will experience the pleasure of human-computer interactive learning and the joy of success.

3.4. Adaptability of modern English Reading Courseware
The adaptability of teaching courseware mainly means that teaching courseware should adapt to the needs of classroom teaching, which should meet the needs of the vast majority of students. Different students have different attitudes towards the effect of multimedia teaching. Most students prefer to use IT, while a small number of students think it is irrelevant. Therefore, teachers should consider the principle of adaptability when carrying out IT teaching, which will better choose the appropriate teaching methods. Teachers can add some animation and colorful pictures to the teaching courseware, which will avoid distracting students. At the same time, the teacher can set up some games and animation, which will arouse the enthusiasm of students.

4. Teaching scheme of modern English Reading based on data exchange and sharing platform

4.1. Overall platform framework
In this paper, we have developed the data platform transformation framework of English Reading, which has three types of users: family, school and education platform. Students and teachers register through the platform, which saves the user's task data in the school system. Through the data exchange and sharing platform of English Reading, the sharing of modern English Reading teaching plan will become very simple. The overall framework of the platform is shown in Figure 1.
4.2. Data exchange and sharing architecture

Students and teachers can import resources into the resource database through the platform. Student resource database and teacher resource database are like a heterogeneous database. After authentication, the data is extracted and sent to the central data system. The student and teacher resource database will obtain the latest data in real time, which can ensure the sharing of student resources and teacher resources.

4.3. Model architecture design of intelligent learning guidance system

The intelligent guidance system includes a variety of modules, such as information collection module, personalized timetable module, personalized analysis, teaching strategy module, etc., as shown in Figure 3.
5. Conclusion
Under the information environment, the integration and sharing of College English Reading teaching resources is the voice of the public and the needs of the society. At present, many factors restrict the development of IT and College English teaching reform, such as the lack of overall planning of resource construction, uneven allocation of resources, lack of high-quality teaching resources, serious repetitive construction of resources, etc. Although there is an urgent need in China to provide feasibility for the integration and sharing of College English Reading Teaching, in order to realize the reorganization, integration and sharing of teaching resources, China still needs the active guidance of relevant government departments, the participation of various sectors of society and the gradual unification of standards and norms.

References
[1] Zhang Nan. Exploration on the construction of higher vocational english teaching resource sharing system based on MOOC [J]. English Square, 2017 (5): 129-130.
[2] Zheng Meihua. Challenges and countermeasures of constructing mini mooc mode in higher vocational colleges [J]. Journal of Yan'an vocational and technical college, 2015 (2): 87-88.
[3] Xiong Hui. Enlightenment of online reading on engliish reading teaching [J]. Journal of Yulin Normal University, 2004 (04): 18-26.
[4] Zhu canqin. Discussion on the reform strategy of junior high school english classroom teaching under the background of internet [J] New Curriculum (middle school), 2018 (10): 96-99.
[5] Wei Mingsheng. Application of IT in primary school english teaching [J]. China educational technology equipment, July 20138 (5): 155-161.
[6] Lu Haiyan. Feasibility analysis of the application of "flipped classroom" model based on micro lecture in College English teaching [J]. Foreign language audio visual teaching, 2014(07): 35-39.