Research on the Construction of Foreign Language Teaching Resources in the Information Age

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Abstract: The information age brings opportunities and challenges to foreign language teaching, and changes the traditional foreign language teaching. The construction of foreign language teaching resources is the core of foreign language teaching. This paper first analyzes the requirements of foreign language teaching resources construction in the information age, including enriching the independent development of digital resources, strengthening the teaching resources talent team, optimizing the foreign language teaching talent team, and then puts forward the foreign language teaching resources construction ideas, that is, making micro and fine micro courses, micro videos; building a MOOC system to adapt to foreign language teaching; rebuilding foreign language teaching network resources.

1 Introduction

With the development of information technology, great changes have taken place in education. Smart phones, cloud computing, cloud storage and other modern information technology means have changed the traditional education environment. Learning is no longer limited to schools and teachers; the environment has become increasingly expanded and intelligent due to the intervention of technology. The innovation of information technology has brought impact on traditional teaching resources. The source of students' knowledge acquisition is no longer limited to textbooks. Others such as Internet, digital resources and other massive learning resources based on big data network are used for students. Teachers' teaching methods have also changed greatly due to the change of environment and resources. [1] The information age brings opportunities and challenges to foreign language teaching. The construction of foreign language teaching resources is the guarantee of the teaching process. How to transform the traditional teaching under the driving of the information age, to a large extent, depends on the construction of foreign language teaching resources. Foreign language teaching resources are the core and important support of teaching. New teaching methods and innovative teaching models are all based on the construction of foreign language teaching resources. Therefore, it is necessary to further explore and study the construction of foreign language teaching resources.

2 The Requirements of Foreign Language Teaching Resources Construction in the Information Age

In the information age, the construction of teaching resources is the need of personnel training, the need of improving teaching quality, and the important way to speed up the education informationization in colleges and universities. How to make full use of campus network to construct foreign language teaching resources will be an important issue in front of every university.

2.1 Enrich the Construction of Digital Teaching Resources Independently Developed

A large number of school-based excellent resources, such as multi track multi subtitle composite

resources, foreign language news intensive resources, have enriched foreign language teaching resources. However, with the continuous emergence and development of a series of new video resources, such as MOOCS, national excellent courses, video open courses, flipped classroom micro courses, etc., modern people's learning methods have changed. The level of digital teaching resources construction can directly reflect the degree of educational informatization in a school. Colleges and universities should make policies to support qualified teachers to participate in the production of video teaching resources.

2.2 Strengthen the Construction of Teaching Resource Talent Team

With the deepening of information construction in colleges and universities, the construction of digital audio and video resources and teaching needs will continue to increase. The existing manpower is not enough to meet the construction needs of relevant languages, especially small language resources. It is necessary to enhance the training of relevant language resource producers, provide business training and exchange opportunities, and meet the multi discipline characteristic of foreign language oriented and international school running resource construction needs of foreign language universities.

2.3 Optimize the Construction of Foreign Language Teaching Resource Platform

Further integration with digital campus will further expand the application of foreign language teaching resources. At the same time, we should constantly think about and demonstrate the targeted construction of teaching resources. On the basis of combing and integrating the existing resources and applications, we should carry out extensive research activities to obtain the actual needs of teachers and students, strive to create a more perfect resource platform for teachers and students of the whole school, and provide assistance for promoting foreign language education and teaching into a higher stage.

3 On the Construction of Foreign Language Teaching Resources in the Information Age

"Ten year development plan of educational informatization (2011-2020)" points out: "fully integrate existing resources, adopt cloud computing technology, form an intensive development path of resource allocation and service, and build a stable, reliable and low-cost national education cloud service mode. For all kinds of schools and educational institutions at all levels in the country, it provides common basic services such as public storage, computing, shared bandwidth, security certification and various support tools, and supports national sharing of high-quality resources and informatization of education management. " Based on the principle of high efficiency, sharing and opening, relying on the cloud technology teaching resource sharing platform, and fully integrating the existing resources, the construction of teaching resources provides an open and equal large-scale teaching resource sharing platform for the majority of learners, promotes the efficient transmission and utilization of teaching resources, and enables users to realize the barrier free transmission and acquisition of teaching resources, which greatly promotes the public education. [2] The construction of foreign language teaching resources also follows the integration of existing resources, adopts cloud computing technology, and realizes the efficient, sharing and opening of foreign language teaching resources.

3.1 Making Micro Course and Micro Video

Micro courses are characterized by fragmentation, easy access and strong scalability. With the short online teaching video as the carrier, micro class has become an important supplement to classroom learning. In a 5-15 minute micro class, each small knowledge point is relatively independent. This kind of micro class design is convenient for students to choose and choose courses according to their own needs and interests. [3] The production of micro course mainly includes content design, development and implementation. For College English, pronunciation, grammar, vocabulary, sentence understanding, text structure, culture, listening, reading, writing and translation skills, which can promote the achievement of teaching objectives, can be used as the

content of micro class production. Teachers can refine the overall goal of the unit into several teaching sub goals that can reflect the key and difficult points to design different types of micro courses, and reasonably select strategies and arrange curriculum resources in the process of micro course design. For example, the introduction type micro class can design videos or pictures at the beginning of the micro class to arouse students' interest; the text structure type micro class can be designed in the way of mind map or list; the vocabulary type micro class can use some dynamic flash to show the meaning and usage of vocabulary; the audio-visual and oral courses can design the content related to students' life to increase the practicability and interest of the micro class. Before developing micro class, teachers should master the methods of making micro class in various forms, such as teaching video, screen recording, multimedia or animation explanation, etc. On the basis of accumulated experience, teachers should make some high-quality micro course teaching resources, and form a micro course system, upload them to the relevant management platform for students to download or watch, and promote the development and construction of micro course resources. After the design and development, it is the specific implementation. With the characteristics of short time, small capacity and precision, it is convenient to learn at anytime and anywhere, etc., it can realize students' learning in multiple environments before class, such as network platform and mobile learning platform. After students complete micro class learning in the virtual environment, they can put forward and discuss with teachers and students in the real environment, solve the problems in the learning process through discussion, cooperation and exploration, and improve their knowledge system. Micro courses, micro videos and micro courses provide micro and precise courses for foreign language teaching resources in the information age.

3.2 Build a MOOC System Suitable for Foreign Language Teaching

MOOC is the abbreviation of large-scale online open courses, which is characterized by personalization, large-scale, interaction, openness and participation. It helps to promote education equity, resource sharing and the construction of an international and learning oriented society. The learning process of MOOC includes video teaching, course assignment and examination, interactive communication, teaching evaluation, etc. The MOOC platform can also record the length of time for students to watch a certain teaching video, the time, span and frequency for a clip to watch repeatedly, speed up drag in or skip directly, the time and accuracy for doing a certain question, the number of times for answering wrong questions, and how to balance video viewing and text reading in learning. Through these big data analysis, we can fully understand the learning situation of students, so as to dynamically adjust the teaching content. [4]

MOOC is different from micro class, because MOOC is made completely through selected courses, and its content is required to be systematic, complete, concise and rich, and detailed to every knowledge point as much as possible, including rich and colorful pictures, PPT courseware pictures, videos, etc. Various courses of college English, such as comprehensive English, professional English audio-visual oral, college English writing, cross-cultural communication, business English, etc materials translation, business English communication training and other courses are integrated to form a supporting college English "basic courses, practical courses" as a whole curriculum system so as to truly achieve the goal of continuous learning of College English. Rich learning resources facilitate the formation of free learning, learning based on shared courses, sharing courses based on platforms and learning based on personalized content of selected courses schools, which can not only meet the diverse learning needs of students, but also expand the benefits of resources. The multi-threaded learning mode provided by MOOC can help students to arrange their learning process reasonably according to their own time and provide strong guarantee for their continuous English learning during college. The establishment of college English MOOC platform includes college English teaching management platform, English writing intelligent correction system, college English teaching resource database, micro class video production system and college English test and training system, forming a complete college English MOOC curriculum system. Before class, the teacher makes a micro course video and uploads it to the MOOC platform for students to watch and learn; in class, students interact and exchange; after class,

students use the platform for independent learning; the teacher fully understands students' learning situation through background big data analysis, so as to dynamically adjust the teaching content.

3.3 Reconstruction of Foreign Language Teaching Network Resources

Network resources refer to the combination of modern computer and communication technology, which link text, image, audio and video information into hypertext and hypermedia system in the way of hyperlink, and present them on the Internet. [5] These are collectively referred to as network resources. There are various forms of foreign language teaching resources: Web search engine, digital library, foreign language learning website and forum, excellent course website, sharing MOOC foreign language learning, Ted speech resources, etc. However, in the information-based teaching environment, network resources are not equal to foreign language teaching resources, because they are too complete and therefore extensive, too many and therefore disorderly, too casual and therefore lack of design, so that they cannot fully play their due role, forming a useful and effective supplement to foreign language teaching. Based on this, combined with the specific learning objectives of foreign language teaching, specific learning situations, targeted learning tasks, instant assessment and effective learning effect evaluation, it is necessary for the reprocessing of network resources.

Only through targeted screening, refined editing and processing of network resources, interaction and sense of participation, can we give full play to the advantages of network resources, fully mobilize the desire of students to explore, and promote the formation of students' autonomous learning habits, so as to ensure the continuity of listening enthusiasm, the dynamic and normalized listening activities, and the pertinence and reality of English listening course learning usability and effectiveness.

4 Summary

The construction of foreign language teaching resources plays a key role in the reform of foreign language teaching in the information age. We should make full use of Internet resources, strengthen the construction of information-based talents and teachers, and make micro and precise micro courses and micro videos; build a MOOC system suitable for foreign language teaching; rebuild foreign language teaching network resources, so as to truly realize the efficiency, sharing and opening of foreign language teaching resources, and realize the fairness and justice of education.

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