

## **Design of English Teaching System Platform Based on Computer Aided Instruction**

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**Abstract:** At present, in the teaching of English, most teachers still adopt the traditional teaching mode, and the teacher-centered auxiliary teaching leads to the teaching in the form of language. It is difficult to improve the quality of English teaching. To this end, with the development of society, computer-aided teaching has gradually been put on the agenda, through the optimization of the design of English teaching system platform, to help teachers improve the quality of English teaching, to maximize the benefits of teaching. At the same time, computer-aided teaching can also improve students' enthusiasm for learning English, and make the English teaching system platform design play its due role in students.

### **1. The significance of using computer to design English-assisted teaching system platform**

In English-assisted instruction, most teachers use traditional teaching methods, such as game teaching methods, physical teaching methods, and situational teaching methods, but these methods have been difficult to meet the needs of contemporary education. Today, with the modern teaching equipment becoming more and more perfect, it is necessary to apply computer to English-assisted teaching in English teaching, and design a better English teaching system platform, so that students can not only learn more personally, but also realize English learning more conveniently. Shared use of resources. The computer network has rich teaching resources. After designing the English teaching system platform, anyone can introduce excellent English learning resources to the platform to help students create more excellent learning spaces. At the same time, through the design of English teaching system platform to help teachers and students achieve interactive learning, break through the space constraints of traditional teaching methods, thus achieving a new form of English-assisted teaching, also has a certain role in cultivating students' extended thinking, play more Positive meaning.

### **2. The requirements of the English teaching system platform design**

Today, computers have become one of the most familiar objects for students, and computers can enable students to communicate more quickly. The campus network is already an important part of the teaching environment. The English teaching system platform for computer-aided teaching can be used to realize the interactive environment through the connection with the campus network. It is more convenient for students to find teaching resources. In the design of English teaching system platform, it is necessary to integrate modern network technology means to improve the accuracy of English-assisted teaching content, optimize the design of teaching platform, and facilitate students to use the convenient campus network to realize web browsing of English teaching system platform, aiming at different computer levels. Students can also optimize the English teaching system platform design to meet the versatility needs of students, and maximize the benefits of learning resource utilization. When designing the English teaching system platform, we should pay attention to classifying all kinds of excellent English teaching resources, to ensure that each computer can connect to the campus LAN, to ensure the use of computer-aided teaching resources, and truly meet the needs of students' English learning.

### **3. Platform design of English teaching system based on computer aided instruction**

#### **3.1 The overall structure design of the English teaching system platform**

For the design of English teaching system platform, it is necessary to use advanced information technology as a support, use digital form to build related auxiliary teaching system management, computer-assisted teaching from teaching resources, teaching activities and hardware environment, and in English. Teaching system platform provides lecture notes, teaching questions, and interactive learning on the computer, and responds to the students' learning content in the form of a database to meet the needs of students and serve students. The design of the English teaching system platform expands the new mode of English-assisted teaching and realizes the comprehensive function of English information.

The English teaching system platform is optimized in the form of a hierarchical structure, and the management of the different categories is carried out according to the different English information. First of all, the English teaching system platform is designed to specifically register and log in for students, so that students can browse the English auxiliary teaching information through their unique account and password, and provide rich teaching channels for knowledge aggregation, for example in teaching. Design resource library and courseware library in resources, design class learning, self-operation, counseling and answering questions in teaching activities, design job check, supervision and evaluation, performance appraisal in maintenance management, etc. Reasonable online communication environment helps students to be more efficient and reasonable. Participating in English knowledge learning also assists teachers to manage students' academic achievements more scientifically and standardized. At the same time, teachers can also analyze relevant learning data and reflect the final results in the system platform to realize all aspects of English-assisted instruction. Digital, convenient for students' system query, improve the practical application efficiency of the English teaching system.

#### **3.2 Functional Design of English Teaching System Platform**

In the design of the English teaching system platform, it is necessary to equip the system administrator with good management experience to manage the backstage of the platform, and provide various English auxiliary learning information resources that meet the teaching needs of teachers and the learning needs of students. For teachers, it can also provide the authority for platform background management, help teachers upload some necessary materials for class, and teach related English-assisted courses; for students, English learning materials uploaded by teachers can help English learning, English knowledge The learning is more systematic and scientific. Therefore, for the design of the English teaching system platform for computer-aided teaching, the functions of the English teaching system platform are mainly designed by the system administrator, teachers and students.

For the system administrator, it is necessary to ensure that only the administrator account and password staff enter the system platform. After the login is successful, the internal related English learning materials cannot be modified without authorization to achieve true computer-aided instructional design. System administrators should release relevant teaching system announcements in a timely manner to achieve more systematic management of resources in the system.

For teachers, it is necessary to design a teacher registration login space, and design a dedicated teacher to upload resources, this space can help teachers upload some English-assisted teaching questions, teaching content and electronic documents, some practice oral English and reading materials also There can be space design, as well as a platform to manage student achievement and evaluation, to understand and master the student students' data and latest developments. At the same time, in this design, teachers can also help upload video resources, publish coursework and conduct course tests, and provide students with half an hour of online Q&A.

For students, it is necessary to design the student's registration and registration space. Each student has his or her own authority to log in to the English teaching system platform. In the platform background, the personal information can be managed. The data can be downloaded and related. Coursework and testing, and online communication with teachers, this English teaching

system platform has a more active educational significance.

### **3.3 Networking of English Teaching System Platform**

In the design process of the English teaching system platform for computer-aided teaching, network construction needs to be taken into consideration. Most of the campuses use LANs, and their network centers are the core layers. The information sharing of resource sharing is optimized and designed to reduce the redundancy of the network environment, making the network environment of the English teaching system platform more reliable, enabling teachers and students. The network environment used transfers data at a higher speed. The distribution layer is responsible for the logical division of each network segment to make the use of data traffic more refined. The access layer is the network portal for system administrators, teachers, and students to enter the system platform, and also to import traffic into the network. The English teaching system platform can be transformed into data resources when collecting data. These digital resources are used for English-assisted teaching through integrated management, and data mining technology is used to mine related information to store data in data warehouse.

### **4. Analysis of the application benefit of the English teaching system platform**

This computer-aided teaching English teaching system platform design has made a big change in the traditional English-assisted teaching mode. Using the latest teaching concepts and modern teaching facilities to better serve English teaching, more and more students are being used. It is able to learn English knowledge more systematically through the English teaching system platform, and maximize the application efficiency of the English teaching system platform. This computer-aided teaching English teaching system platform design enhances the ability of teachers, students to teach independently and learn independently, making teaching and learning easier and more interesting.

The computer-aided teaching English teaching system platform provides a more favorable support space for English-assisted teaching. The mobility of computers also provides more convenient management for teachers' teaching. Students learn more personalized and independent, and students' enthusiasm for learning English. It is constantly rising, and at the same time, it is more widely used in computer-aided teaching in the future.

### **References**

- [1] Li Ruichao. Development and Application of English Teaching Interactive System Based on MOODLE Platform [J].Microcomputer Applications, 2018, 34(10):65-67.
- [2] Yuan Yanling. Study on the Construction of Academic English Teaching Platform Based on Corpus and Its Teaching Model [J]. Journal of Xi'an International Studies University, 2019, 27(1):59-62.
- [3] Liu Qiong. Design and Application of English Teaching System Based on MVC Architecture [J].Microcomputer Applications, 2018, 34(11):107-109.
- [4] Sun Jian. Exploration and Practice of English Teaching Network Training [J].Fujian Computer, 2019, 35(7):119-120.
- [5] Zhao Keyan. Reform and Innovation of College English Writing Teaching Based on Big Data Era[J].Modern Vocational Education,2019,(17):170-171.
- [6] Pan Yue. The Application of Wing Course Network Platform in Junior Middle School English Teaching[J].Secondary Curriculum Counseling (Teaching Research),2019,13(8):10.