Innovation and Practice of College English Teaching Model Based on Computer Network

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Abstract: This article analyzes the current status of the application of the college English teaching model, including students' low interest in learning, strong unity of teaching model, and a large proportion of theoretical courses. The author combines the application characteristics and application value of the computer network, through studying how to do a good job of innovation in the way of thinking, innovative supervision methods and teaching methods, make full use of the advantages of the network, establish a teaching resource database, and improve the security of data information. The purpose of this article is to give full play to the advantages of computer network applications and to improve the applicability and effectiveness of the college English teaching model.

1. Introduction
In the context of the era of big data, computer networks have penetrated into various industries. It can perform quantitative analysis on certain events and certain problems through a reliable calculation model, thereby speeding up the problem analysis speed. Applying the application advantages of the computer network to the college English teaching model can not only speed up the updating speed of the college English teaching model, but also facilitate the optimization and integration of teaching resources, thereby enhancing the application value of the data information itself.

2. Application Status of College English Teaching Model

2.1 Students' Low Interest in Learning
In the university curriculum, English is a very basic course content. Because of the difference in the way students enroll (universal enrollment and special enrollment), and the difference in the admission scores of each province, this also leads to the obvious difference of students on the basis of English. The difference in students' basics makes them have some differences in the learning time and task completion when facing similar learning tasks, which also leads to the development of class students' English scores along the direction of differentiation. Except for some majors, most university majors will not use English as a "Grade Point" course, which also means that students with a comprehensive English score of more than 60 can also make many students reduce their interest in the course. Although colleges have English exams for CET-4 and CET-6, many students are not aware of the importance of these exams. However, the traditional teaching model can't arouse students' interest in learning, which leads to the slow progress of classroom teaching tasks, which cannot meet the requirements of teaching tasks.
2.2 Singular Teaching Model
The prerequisite for the active learning of all courses is learning interest, which is also an important guarantee for maintaining the motivation of students to study for a long time. Judging from the situation of college English teaching in my country, there still exists the problem of strong unity of teaching mode. Although with the help of multimedia, teachers can make some courseware to assist teaching. However, many teachers still use the "board-style" teaching method, using fixed teaching templates, or not using teaching templates directly, and starting the course teaching according to the prompts in the textbooks. Due to the limitation of classroom teaching time, teachers will selectively ignore some interactive links in the course teaching. Teachers only complete the teaching tasks quickly according to the outline content of the teaching tasks, thereby reducing the activity of the classroom teaching environment and affecting the efficiency of classroom teaching [1].

2.3 Theoretical Courses Takes A Large Proportion
The college English courses are not only designed to help students consolidate their English foundation in order to cope with the next college English CET-4 and CET-6 exams, but also to enhance their comprehensive ability so that they can have more application advantages after entering the society. Many universities classify English as a theoretical course, which is actually not correct. English should be part of the practice-oriented curriculum in university courses. In the teaching process, teachers also need to properly focus on the teaching aspect to practice students' language expression ability [2]. However, from the practical application situation, many teachers allocate 80% of the class time to theoretical teaching, and the remaining 20% of the time is used for practice. Therefore, for class students, there are only a few opportunities for expression in a semester, which does not substantially help the improvement of students' comprehensive strength.

3. Discussion on Computer Network Related Content

3.1 Application Characteristics
In practical applications, computer networks have the following application characteristics: (1) Strong correlation between information. In the computer network environment, there is a huge number of data information, which not only maintains a certain degree of independence, but also has a high correlation. For example, when students learn some special grammars, they can list the content associated with them with the help of a computer network. Students can complete systematic students according to the guidelines, thereby playing the role of enriching the students' knowledge structure [3]. (2) The social level is relatively high. As mentioned before, computer networks have been used in many industries. More than 90% of industries have used computer networks as an important guarantee for maintaining the normal economic development of the industry. Based on this analysis from a macro perspective, computer networks can assist enterprises in future development estimates and exploration of the nature of the problem, which is very obvious social.

3.2 Operation Value
In practical applications, computer networks have the following application advantages. First, the computer network has updated the teaching ideas. The emergence of computer networks has changed the classroom teaching model under the traditional education background. People can use the computer network to promote online and offline teaching models. For example,
through Weibo, WeChat, QQ, forums and other channels, recommend some course content for students, so as to enrich students' after-school learning life and maintain students' enthusiasm for learning [4]. Second, innovative education model. Cite an instance, at this stage, due to the new coronary pneumonia, the "net class" teaching model is emerging. This is a new teaching method developed on the basis of the computer network, in order to enhance the activity of the teaching classroom and improve the teaching effect.

4. Innovative Ways of College English Teaching Model under the Background of Computer Network

4.1 Innovative Way of Thinking

The Internet is an important base for college English education in colleges and universities, and is very important throughout the teaching period. Especially in terms of innovative thinking, teachers must give full play to the value of network information transmission so that students can learn more knowledge. As shown in Table 1, according to the data, WeChat, QQ and Weibo rank relatively high among various social software commonly used by students. Therefore, teachers can use this as a breakthrough and use these tools to assist the implementation of teaching work. For example, a teacher in a college uses WeChat to establish a discussion group, and some quality articles or interesting videos will be pushed to the discussion group offline. Usually, students can communicate through WeChat if they have any questions. After a period of study, the student’s performance has increased by 15% compared with the past. In addition, teachers pay attention to the rational use of network language knowledge in actual teaching, which will enable students to fundamentally accept new English teaching methods and actively participate in learning. This also effectively improves the situation of students being tired of studying [5].

![Table 1: Ranking of Commonly Used Social Tools for University Students](image)

| Rank | Social Tools |
|------|--------------|
| 1    | Wechat       |
| 2    | QQ           |
| 3    | Weibo        |
| 4    | MSN          |
| 5    | IPMessenger |
| 6    | YY           |
| 7    | Renren       |

4.2 Innovative monitoring methods

The degree of freedom in university life is high. If the students' self-control ability is relatively poor, it is easy for the learning progress to fall behind without effective supervision. Using the relevance characteristics of computer networks, teachers can establish a multi-level resource management platform in English teaching, and do a good job of summarizing the teaching resources in the process of English teaching. Regional allocation of the collated English teaching resources can improve the efficiency of resource utilization on the basis of meeting the learning needs of students [6]. In the process of actual assignments, teachers need to do a good job of statistical analysis of student behavior. Moreover, teachers also need to understand some of the students' weak points in the current learning process, and follow the principle of "teaching according to their aptitude" to give some practical help to students, so that students' learning status can be continuously improved. English courses have certain practicality, then teachers can adjust the ratio of theory courses to practice courses, such as adjusting to theory: practice = 6:4. In the form of propositional essays, teachers let students search for materials. From the initial plagiarism to the later creation, students have been in a process of continuous improvement, which has also improved the management effect of supervision.
4.3 Innovative Teaching Methods

Teachers can also rely on computer networks to innovate teaching methods. At present, innovative teaching models that rely on computer networks include online courses, micro video teaching, and flipped classroom teaching. When explaining some boring knowledge points (such as grammar, word meaning) in English, teachers can use these teaching methods to create a relaxed teaching environment. Besides, teachers can present knowledge points in a more interesting way, thereby enhancing the activity of classroom teaching atmosphere and increasing students' interest in learning English courses [7]. As shown in Table 2, when a university English teacher uses the new teaching method, because the proficiency is not high, the application level to the computer network is poor, so the attendance rate of class students has been in a relatively low state. However, this also affects the passing rate and excellent rate of class students. In the later period, the teacher gradually mastered the computer network application method, and the student's desire to learn was also successfully inspired. At the completion of the teaching tasks this semester, the outstanding rate of class students exceeded 65%, and the passing rate also exceeded 90%, which is also the best recognition of the application value of innovative teaching methods.

| Table 2 High-School English Teaching in the First Half of 2019 |
|-----------------|---------------|--------------|---------------|
| Month | Attendance | Pass Rate | Excellent Rate |
| 3     | 72.3%      | 50.3%       | 30.3%         |
| 4     | 87.6%      | 63.5%       | 47.6%         |
| 5     | 93.6%      | 78.6%       | 56.6%         |
| 6     | 95.3%      | 90.3%       | 65.5%         |

4.4 Make Full Use of Network Advantages

In the application stage, the computer network has very strong data collection capabilities. At the same time, teachers can make use of the relevance characteristics of the computer network to establish a multi-level resource management platform in English teaching and do a good job in the processing of teaching resources in the process of English teaching. Moreover, teachers also need to allocate the organized English teaching resources regionally, and improve the efficiency of resource utilization on the basis of meeting the learning needs of students. Then, when it is put into practice, teachers can broaden the curriculum teaching methods, choose to recommend some online courses to students, hold some cultural and sports activities, recommend knowledge lectures and other methods. This will not only enrich students' learning pathways, but also help students fully feel the charm of English courses through these activities. In the later teaching process, students can actively cooperate with the teaching instructions issued by the teachers, thereby improving the teaching efficiency of the English classroom [8].

4.5 Establish Teaching Resource Databases

The basic condition for the innovation of college English model is to have rich teaching resources. Therefore, with the advantage of the application of computer network, teachers can establish a resource database to improve the orderliness of English teaching activities. In practical applications, first, do a good job of filtering data information. Select the text, audio, video and other information that are accurate and convey correct ideas to organize, classify it, and upload it to the corresponding section of the campus network. Students use the student ID to log in to the campus network to use it for free, which also provides students with many conveniences. Second, do a regular update of data information. And to maintain the richness of teaching resources, so as to provide reliable resources to help teachers and students learn [9].
4.6 Improve Data Security
The advent of the information age has provided many conveniences for people to obtain information. Meanwhile, in the process of data processing, it also increases the risk of data information leakage, which adversely affects the private life of college students. For example, some colleges and universities leak information into society because of improper supervision. This has resulted in students receiving many spam text messages and marketing calls every day, which has brought about the same life for students. In this regard, when teachers use computer networks to organize student materials, they also need to do a good job in information security protection, improve the system firewall function, and reduce the risk of information theft. At the same time, the school also needs to do a good job of setting permissions and record each visit record. After the information leakage problem occurs, the system can determine the suspect target in a short time according to the record information, in order to improve the value of the computer network application and improve the security of student information management [10].

5. Conclusion
In summary, in the teaching process of college English courses, how to complete the teaching tasks with quality and quantity is a problem that college teachers need to focus on. With the advantage of the application of computer network, actively innovating college English teaching model has a positive effect on stimulating students' enthusiasm for learning and maintaining students' enthusiasm for learning.

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