

Research on Characteristics and Countermeasures of College English Teaching Based on Network Platform

Minglin Zhang

Liaoning Communication University, Shenyang, Liaoning 110136, China

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Abstract: With the rapid development of the Internet, online teaching has become the development direction of modern educational technology, and college English teaching is also in this torrent. This new English teaching model has been accepted by teachers and students because it has greatly improved the traditional teaching environment, optimized foreign language teaching resources, teaching process and teaching objectives, and improved students' learning efficiency and teachers' teaching effect. The new teaching mode should be supported by modern information technology, especially network technology, so that English teaching is not limited by time and place, and develops towards individualized learning and autonomous learning. This paper analyzes the characteristics of multimedia and network technology and their specific application in college English teaching, and points out that the college English teaching mode based on network platform provides a new means for teachers and students to realize autonomous, selective and interactive teaching through network platform, thus improving the quality of college English teaching and enhancing students' interest in learning English.

1. Introduction

The development of multimedia network technology has a far-reaching impact on social economy, culture and education, especially in foreign language teaching. It will bring about new changes in foreign language teaching in China. Network distance teaching and multimedia courseware will become new means of English teaching [1]. The development of computer network and multimedia technology has brought about earth shaking changes in all aspects of people's production and life [2]. Students gradually from the past purely relying on paper books to the use of Internet resources to obtain the required resources of multimedia learning [3]. Computer network technology plays a key role in improving the quality of College English teaching. Strengthening the application of computer network technology in College English teaching is not only the clear requirement of College English teaching requirements, but also the urgent need of College English Teaching Reform [4]. At present, college students in China have generally studied English for about seven years, but English teaching in middle school mainly focuses on some basic theoretical knowledge of English, resulting in that most students do not pass the standard in the accumulation of English listening and speaking ability [5].

The general improvement of students' English level, the continuous expansion of class size, and the increasing social demand for English talents since the reform and opening up all pose great challenges to the traditional teacher centered teaching method [6]. Therefore, as a college English teacher, how to make full use of the network to build a new college English teaching mode has become a major issue that we must explore and practice [7]. The means of reform is to strengthen students' autonomy in learning and teachers' guiding role through network-based multimedia teaching. Its purpose is to improve students' Comprehensive English application ability in an all-round way [8]. With the deepening of College English education reform, the syllabus clearly points out that colleges and universities should make full use of multimedia network technology to speed up the improvement of teaching mode, so that English teaching is no longer limited by time and environment, and develops towards personalized learning and autonomous learning [9]. If we can't provide students with proper space to play, it will be difficult to achieve the teaching purpose. Now with the intervention of the new mode of network teaching, the situation is very different. For

students, it is a more autonomous new way of learning, for teachers, it is also a more efficient and effective teaching method [10]. This paper analyzes the characteristics of multimedia and network technology and its specific application in College English teaching, and points out that the College English teaching mode based on network platform provides a new means for teachers and students to realize autonomous, selective and interactive teaching through network platform, so as to improve the quality of College English teaching and enhance students' interest in learning English.

2. Characteristics of Network Teaching Platform

2.1 Promoting Students' Autonomous Learning by Means of Network

The network multimedia teaching software provides rich, concrete, vivid and intuitive video information, which will enable students to establish a firm perceptual knowledge foundation, mobilize their learning initiative, activate their thinking, and help students master their skills and develop their intelligence. Constructivism and college English teaching reform both emphasize the formation of individualized learning methods and the development of autonomous learning ability. In order to achieve the design goal, it is necessary to strengthen the process evaluation. Network teaching gives full play to the role of network technology and multimedia technology, changes the traditional classroom teaching mode, and makes essential changes in many aspects of teaching. It shows boring and boring textbook knowledge with three-dimensional pictures and audio images, which can improve students' interest in learning and make them have motivation for autonomous learning. The network teaching platform is based on the enterprise server, which ensures the safe operation of the system under heavy load. College English teaching under the network environment has changed the traditional English classroom teaching pattern. Students are no longer faced with unchanging classrooms and boring textbooks, but with modern audio-visual equipment and software materials. Learning English through the Internet can provide learners with an environment to learn English freely, so that they can learn actively.

Learners can choose interesting content according to their own actual situation, and make corresponding study plans. When encountering difficult problems, they can ask questions at any time to find the correct answers. Under the background of college English teaching reform, the traditional teacher-centered irrigation education is obviously not suitable for the present needs. It makes students in a passive learning position, unable to exert their initiative and enthusiasm, and the main role of learning can not be fundamentally reflected. The network teaching platform provides teachers with rich curriculum management functions and powerful functions such as online lesson preparation, online teaching, organization of answering questions and discussion, online test paper generation, etc. Teachers can manage teaching content independently, control teaching progress, organize teachers and students to answer questions and conduct online tests, so as to realize synchronous and asynchronous teaching, show teachers' personalized teaching methods and arouse teachers' enthusiasm.

2.2 Improve Students' Learning Efficiency

English online teaching system should be able to handle all kinds of texts, sounds, images and videos used in teaching, and also have navigation function, which can guide the direction in a large amount of information. On the whole, there are some problems in online courses, such as emphasizing the explanation of teaching content, ignoring the design of learning environment and learning activities, and lacking cooperative learning links. In short, the current college English online courses are not interactive enough. English online teaching system should be civilian and can provide some simple courseware making tools, so as to facilitate English teachers to make detailed and interesting courseware. Network teaching can increase the information capacity in class and provide students with more extended knowledge, thus improving students' learning efficiency. Giving full play to the function of multimedia network technology in teaching can make students remember knowledge better.

The network teaching platform provides the function of tracking and counting students' learning

process, which is convenient for teachers to adjust and improve course teaching. At the same time, it also provides the tracking and statistics function of teachers' teaching process, and makes real-time statistics on the detailed information of teachers' participation in course teaching by using various teaching tools provided by the network teaching platform, thus making the school's evaluation of course teachers more objective. Figure 1 is a path analysis model of the dimensions of effective classroom environment construction and learning effect in college English listening.

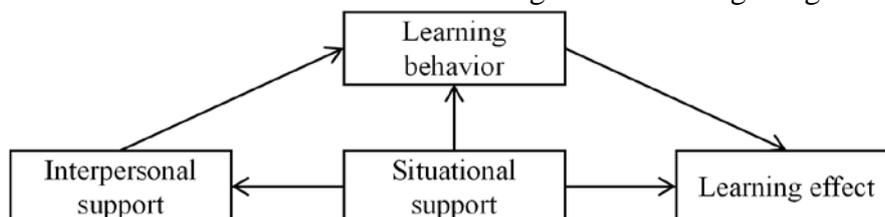


Fig.1 Path Analysis Model

Students must make it clear that the effectiveness of learning is first reflected in whether they actively participate in learning and ensure the active construction of knowledge. Students should actively communicate with teachers, get guidance and help from teachers, continuously develop self-study ability, and cultivate the spirit of exploration, innovation and cooperation. In addition to organizing the teaching of the whole class, teachers should also undertake the tasks of guiding students, checking their learning situation and answering questions, focusing on cultivating students' autonomous learning ability. In online teaching, students can choose their learning content according to their interests and hobbies. These contents should meet the individual requirements of students in terms of learning progress and academic achievements, so as to meet the learning needs of each student [12].

3. Teaching College English through Network Teaching Platform

3.1 Platform Content and Network Teaching Process

The Internet is changing the traditional college English classroom, and it is also promoting the transformation of college students' English learning methods. Online communication and interaction can enable students to experience the acceptance and support between teachers and students, and thus increase their courage to overcome difficulties, which is undoubtedly a great boon for students who have suffered too many failures and setbacks in college English learning. Under the background of teaching reform, using network teaching platform to assist college English teaching and actively carrying out a series of attempts and explorations to replace traditional teaching with advanced network education technology are quite beneficial to English teaching. With the help of the network, conversational communication can give full play to the subjectivity of each learner, thus realizing the innovation of students' learning methods [13]. In the English online teaching platform, teachers, students and students can communicate and discuss the learning content by posting topic posts, reply posts and comments online. The evaluation platform is to realize teachers' fair evaluation of students, students' fair evaluation of students and students' fair evaluation of themselves by using the interactive function of the network and integrating various factors.

Teachers can let students watch an English talk show, and then arrange a few questions for students to answer, or make full use of the resources in the foreign language world on campus, paste the link of a set of test questions in the foreign language world in the course assignment, let students do exercises, or paste the link of a movie, and let students extract the classic dialogue after watching it. In a word, the content forms of homework become diversified, including words, pictures, sounds and images, which can test students' listening, speaking, reading, writing and translating skills. By constructing and introducing English online teaching platform, students' motivation for autonomous learning is greatly improved, students' interest in learning is enhanced, and their autonomous learning ability is improved. Through advanced technology, online English teaching creates a

relatively personalized learning environment in the same space, so that every student can get the opportunity to communicate fully with teachers. It can organize learning according to the most effective personalized principle for every learner, and pay more attention to cultivating self-study ability.

3.2 The Improvement of Teaching Effect and Teaching Quality

When correcting homework, teachers can focus on the common mistakes of students in homework. After students hand in their homework, they can publish the standard answers on the platform, which is convenient for students to correct themselves. In addition, the statistical analysis under the course assignment can not only count the number of students submitting assignments and the average scores of students, but also directly export student assignment transcripts. After the implementation of the new teaching model, students have gradually changed their previous dependence on learning and changed their learning concepts to a certain extent. Under the guidance of teachers, they can constantly reflect on their learning methods and habits, find defects and weak links in their learning, and learn voluntarily [14]. An environment that helps students acquire a great deal of English knowledge and develop their language skills freely is very important for English learning [15]. The network teaching platform provides us with such an environment. Internet has changed the traditional way of acquiring knowledge, and learning has become a process of choice in essence. Learners can decide what interests them and how to acquire knowledge. Compare the number of effective words between the experimental class and the control class before and after the experiment. The data are shown in Table 1 and Table 2.

Table 1 Comparison of Composition Pre-Test between the Experimental Class and the Control Class

Class	Mean value	Crest value
Experimental class	72.5	95
Control class	72.1	94

Table 2 Comparison of Post-Test Composition between Experimental Class and Control Class

Class	Mean value	Crest value
Experimental class	82.3	100
Control class	73.8	96

In English listening teaching, it should be considered that the same teaching method has different teaching effects for different students. Test pairs of two classes before and after the experiment are shown in Table 3.

Table 3 Listening Test Situation of the Two Classes

	Experimental class	Control class
Number of people	50	52
Average score of pre test of listening ability	72.5	71.9
Average post test results of listening ability	81.3	72.4

Under the new model, teachers have changed from the former “lecturers” to the guides of students' learning and designers of teaching activities, and at the same time, they are the promoters and helpers of students' autonomous learning. Teachers' duty is no longer just to input language to students, but to pay more attention to the output of students' creative language skills. Compared with traditional teaching, online teaching has opened up a new world for foreign language teaching with its rich resources and strong interactivity. The multimedia teaching of college English under the network environment after the educational reform has incomparable advantages over the traditional college English teaching mode before the educational reform. With the help of computer network, abstract words can be effectively transformed into concrete images, highlighting key points and breaking through difficulties, so that students can perceive more information in a limited

time and improve classroom teaching efficiency. In the process of participating in the teaching reform, teachers' teaching ability has been exercised and improved. The new problems and situations in the teaching reform prompt teachers to reflect on their own teaching, and at the same time promote the development of teachers' scientific research ability.

4. Conclusions

The development of network technology provides the necessary material basis and conditions for college English teaching reform, and puts the idea of student-centered teaching into practice. The new mode of online teaching has brought new impetus to college English listening and speaking course. The development of computer network technology blew the clarion call of network education, so a series of computer-aided instruction systems came into being. Driven by the tide of reform, the Ministry of Education has also begun to formulate various outlines for reforming the traditional teaching methods in the past. In the outlines, it is clearly pointed out that colleges and universities should make full use of multimedia network resources, speed up the pace of improving the educational model, and make teachers' teaching and students' learning no longer limited to the classroom. With the rapid development of multimedia network technology, colleges and universities are forming a set of increasingly perfect and mature multimedia network English teaching system. This teaching mode not only challenges the traditional teaching theory and teaching concept, but also forms the teaching method and teaching design idea which are suitable for the constructivist learning environment while forming the constructivist learning theory. The college English reform based on the network platform highlights the modern educational concept, stimulates the individual interest of learners, and highlights the status of learners as the main body. Therefore, it is bound to improve the development of students' autonomous learning ability and English comprehensive ability, especially listening and speaking ability. English online teaching promotes the communication and interaction between teachers and students, enables students to learn happily in the interactive situation of network, effectively mobilizes students' enthusiasm and initiative in learning, and improves the quality of English teaching.

References

- [1] Jian Lihua. Analysis of English Teaching Mode Based on Network Platform. *Journal of Jilin Province Education College (Mid)*, vol. 407, no. 11, pp. 50-51, 2015.
- [2] Guo Ziwen, Wang Xiujuan, Sun Linhui, et al. Practical analysis of network platform assisted English teaching. *Education Teaching Forum*, vol. 451, no. 5, pp. 221-222, 2020.
- [3] Zhang Jianhui. Research on Collaborative Innovation of English Teaching under Digital Network Platform. *Journal of Suzhou Education College*, vol. 20, no. 6, pp. 138-139, 2017.
- [4] Liu Ping, Xie Haoqin. A survey of the feasibility of writing teaching for English majors under the network platform. *Journal of Hubei Correspondence University*, vol. 164, no. 22, pp. 142-144, 2015.
- [5] Xi Ying. Research on English Teaching Practice Based on OBE Network Interactive Learning Platform. *Journal of Xinyu University*, vol. 24, no. 2, pp. 148-152, 2019.
- [6] Qi Tongyi. Analysis of the advantages and disadvantages of oral English teaching on the network platform. *Middle school curriculum guidance (teacher education)*, vol. 213, no. 8, pp. 110+112, 2020.
- [7] Wang Li. Analysis of the current innovative mode of higher vocational English teaching on the Internet platform. *Crazy English: Theory Edition*, vol. 000, no. 3, pp. 68-69, 2016.
- [8] Yu Lijin. Analysis on the new mode of advanced English teaching based on the network platform. *Journal of Xingtai University*, vol. 32, no. 4, pp. 106-108, 2017.

- [9] Ao Deng, Chaomullege. Research on the Formative Evaluation Model of College English Learners under the Network Teaching Platform. *Chinese Journal of Literature*, vol. 000, no. 24, pp. 161-162, 2015.
- [10] Liu Ping, Xie Haoqin. A survey of the feasibility of writing teaching for English majors under the network platform. *Journal of Hubei Correspondence University*, vol. 000, no. 22, pp. 137-139, 2015.
- [11] Zhang Lin, Ma Jing. Innovative research on English phonetics teaching methods based on network platform. *Journal of Luoyang Institute of Technology (Social Science Edition)*, no. 30, pp. 88-91, 2015.
- [12] Meng Xiangrui. Research on College English Teaching Innovation under the Digital Network Platform. *Journal of Jiamusi Vocational College*, vol. 000, no. 7, pp. 252-253, 2017.
- [13] Tang Shaoqing. Practice and Research on Formative Evaluation of College English Teaching under the Network Platform. *Campus English*, vol. 460(20, pp. 61-61, 2019.
- [14] He Yanping. A study on the teaching mode of English writing based on the QQ network platform. *Journal of Hubei Correspondence University*, vol. 29, no. 19, pp. 146-148, 2016.
- [15] Yang Linlin. Discussion on Adult English Teaching Reform Based on Network Platform. *Knowledge Library*, vol. 457, no. 9, pp. 188-188, 2019.