

# Exploration of College English Ecological Teaching Under the Multimedia Network Environment

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## ABSTRACT

Ecological teaching model, derived from the concept of ecological development, attracts more and more educators attention. To promote the ecological teaching of college English and establish an ecological teaching system, it is of great significance to optimize English teaching resources, create English teaching context, innovate English teaching methods and the teaching evaluation system, which is not only the objective demand of the English teaching reform, but also the inevitable choice to improve the quality of English teaching and realize effective teaching. This paper briefly summarizes the characteristics and the significance of carrying out ecological teaching, and puts forward the construction model, in order to contribute to the reform of college English teaching.

**Keywords:** College English, Ecological teaching, Construction strategy

## 1. THE CONNOTATION AND INFLUENCE FACTORS OF ECOLOGICAL TEACHING MODEL

Ecology refers to the interrelation and interaction of various factors existing between organisms and the environment. On the basis of the long-term research of many biologists, an independent ecological concept has been formed gradually. These ideas are introduced by the educationist into the field of education, and a whole new educational philosophy was born, called "ecological teaching". The so-called ecological teaching refers to the study and explanation of various teaching phenomena and problems from the ecological perspective, and the application of ecological principles to the study of the relationship between teaching factors and the environment [1], so we can use the ecological teaching ideas and teaching model to carry out the teaching activities.

The relevant elements involved in the ecological teaching model are as follows: Firstly, the interactive elements. The ecological teaching model mainly involves the exchange between individual learners as well as between learners and teachers. Secondly, the symbiosis elements, that is, the interdependence and interrelation of different individuals in ecology, which are reflected in the cooperation and interaction between students, teachers and students in classroom teaching. Thirdly, the competitive elements, which are reflected in

the competition of living conditions among organisms in biology, are applied to classroom teaching through the competition among individual students, in which students are encouraged to motivate themselves at all times. Finally, bionic elements, which refer to the mimicry of the structure and function of an organism, are applied to classroom teaching. The ecological teaching can be carried out through various methods, such as individual demonstration or group cooperation, in order to achieve the common progress by mutual imitation and complementation.

## 2. THE CHARACTERISTICS OF ECOLOGICAL TEACHING

Ecological education is an ecological process in which ecological principles, thoughts, ideas and methods are integrated into modern education, the purpose of which is to realize the sustainable development of the society and create ecological civilization. The ecological teaching is different from the traditional teaching mode in many different aspects. Most importantly, the most obvious characteristic of the ecological teaching is student-oriented, which puts most emphasis on the student's individual development and sustainable improvement. The purpose of the ecological teaching concepts and teaching methods is to improve the teaching quality of the modern higher education as well as the students' development [2].

The characteristics of the ecological teaching are mainly presented as the follows: First, the ecological class is student-oriented, which regards the students as the main learning body and teachers are the guide and assistant of student's study. The ecological teaching respects the student's individuality development and sustainable development in the future. In class, ecological teaching takes students as the main learning body and teachers as the guide to carry out teaching tasks. Second, the ecological class is a context-oriented class. The ecological class is mainly devoted to creating teaching situations and learning context conducive to the growth of students and guiding students to give full play to their subjective initiative so as to achieve effective teaching through encouragement and guidance. Third, ecological class is experiential class. Through classroom design, creating situations, providing information, the main task for teachers is to guide students to carry out experiential learning to achieve self-exploration and self-improvement, acquiring knowledge and practical ability in continuous learning experience. Fourth, the ecological class is an open class, in which teachers make conscious efforts to create an equal, harmonious and relaxing learning atmosphere and environment for students to study and participate in class activities, by all means to cultivate the consciousness of the students' autonomous learning and help them to achieve self-development to the greatest extent.

### **3. THE SIGNIFICANCE OF COLLEGE ENGLISH ECOLOGICAL TEACHING UNDER MULTIMEDIA NETWORK ENVIRONMENT**

In the field of college English teaching, it is of great practical significance for teachers to improve the quality of English teaching and realize effective teaching by means of multimedia network and information technology [3]. The reform of college English teaching is continuously pushed on and is attracting more and more attention from related areas. How to improve the college English teaching quality and achieve effective teaching is really a big concern for English teachers. Here comes the ecological teaching and it turns out to be an excellent option to better college English teaching quality and improve the students' individual development due to its following characteristics.

First of all, ecological teaching is a teaching idea that follows the rules of English education development. The purpose of English education is to improve people's comprehensive quality, helping people to appreciate the world culture, widen their international horizons and improve people's comprehensive quality. In order to improve the English ecological teaching, teachers are supposed to devote themselves to the diversification of English teaching materials, the flexibility of English teaching methods, the betterment of English learning

environment and the diversification of English evaluation system. The application of multimedia network and information technology can greatly optimize English teaching resources, teaching methods and teaching environment so as to promote the ecological development of English teaching.

Secondly, ecological teaching can help optimize English class teaching. The traditional English class is teacher-centered, and the emphasis of teaching is on the transfer of knowledge, ignoring the practice of language and the training of ability. The application of Network multimedia and information technology has effectively changed the teaching environment and learning atmosphere and enriched learning resources and teaching methods, so that students can obtain better learning experience. It also greatly arouses students' study enthusiasm and initiative, and contributes to the cultivation of students' self-study consciousness and the improvement of their self-study ability.

Thirdly, ecological teaching can help improve students' comprehensive English literacy. English is, first of all, a language, and language is a tool for communication, so while English learning, the learners should not only pay attention to the accumulation of knowledge, but also the training of practical ability. The application of Network multimedia and information technology has greatly optimized students' learning environment, created more opportunities for students to use language, which is of great importance to exercise students' practical ability, and improve students' comprehensive quality. Ecological English teaching respects students' subjectivity, and gives consideration to students' individual development.

Finally, ecological teaching helps to cultivate students' autonomous learning ability and lifelong learning concept. On the basis of students' existing cognition, ecological teaching respects students' personality development, pays attention to the cultivation of students' autonomous learning ability and lifelong learning concept, and encourages students to actively carry out autonomous learning by using online learning platform and online open learning resources according to the demands of their own development. Accordingly, teachers are supposed to offer students guidance to help students to make autonomous learning plans, help students identify high-quality learning resources, develop good learning habits, master scientific learning methods and learning strategies, and actively carry out autonomous learning activities. At the same time, students are encouraged to find partners and carry out group cooperative learning. According to the data feedback information, teachers should give students learning guidance and answer questions in time. Teachers are the instructors, supervisors and helpers of students' autonomous learning under the ecological teaching circumstances. [5]

#### **4. THE CONSTRUCTION OF ECOLOGICAL TEACHING MODEL OF COLLEGE ENGLISH**

The combination of Internet and teaching has far-reaching theoretical and practical significance for college English ecological teaching. It not only helps to improve the quality of foreign language teaching, but also further promotes the deepening of college English information teaching reform. Network and multimedia provides convenience for college English teaching reform by providing a platform and means for the implementation of ecological teaching reform, which helps get rid of the disadvantages of traditional classroom teaching. The network and multimedia plays a vital role in effectively organizing learning resources, innovating learning ecological environment, teaching methods and strategies and teaching evaluation. The construction of the ecological teaching mode of college English can be carried out from the following aspects.

First, develop and integrate English teaching resources to achieve the ecological construction of curriculum resources. Curriculum resources are the key to the quality of English teaching, thus, to improve the quality of English teaching, the priority is to integrate and develop English teaching resources. The application of network and multimedia has greatly promoted the diversification of learning resources. English teachers should integrate and develop high-quality learning materials suitable for students of different levels according to the teaching objectives and the development of students. They should pay attention to both the transmission of English knowledge and the introduction of different cultures, which truly makes English a key to students' understanding of the world. At the same time, while developing English teaching resources, teachers should pay attention to the effective integration of basic English and professional English, so that English learning can become the right assistant for students' professional development and lay a solid foundation for students' future career development and sustainable development.

Second, innovate English teaching context to realize the ecological construction of learning environment. English is a living language, so English learning cannot be separated from the language environment. English teaching context directly determines the effect of English teaching and learning. The interesting and relaxing teaching environment can greatly arouse students' enthusiasm and motivate learners to actively participate in class activities [4], so under the assistance of multimedia, teachers should make great efforts to provide students with intuitive, interesting and rich learning materials, organize various class activities and maximize the students learning, which provides convenience and guarantee for effective teaching.

Third, innovate English teaching methods to achieve the ecological construction of teaching mode. In order to realize the ecological development of English teaching, teachers should constantly innovate and optimize teaching methods, construct diversified teaching models by means of network and multimedia, and provide students with an open and free learning environment. Meanwhile, teachers are also supposed to stimulate the students' learning enthusiasm, cultivate their sense of autonomous learning and make the students take the initiative to participate in English learning. The class design is expected to be student-centered, and the classroom teaching is supposed to be carried out by a variety of ways, such as individual display, group cooperation, teacher guidance and so on.

Fourth, innovate English teaching appraisal to realize the ecological construction of the appraisal system. Teaching evaluation plays an important role in promoting teaching effect. English teachers should optimize and innovate the evaluation system according to students' learning demands and learning characteristics, so as to realize the ecological construction of English curriculum evaluation methods. With the help of the network, teachers can construct an online evaluation system to evaluate students' learning and class teaching online, which can give immediate feedback to the problems in teaching and learning [6]. Teachers can also track the students' learning with the help of the network at any time and carry out personalized direction anywhere anytime.

To summarize, ecological teaching which follows the rules of English learning and teaching, is gaining increasingly popularity among colleges and universities and attracts more and more attention from English educators. More and more researches are being carried out in this field. Under the new information ages circumstances, ecological teaching is playing increasingly significant role in college English learning and teaching and is bound to make great contribution to higher education.

#### **5. CONCLUSION**

With the deepening of college English teaching reform, the ecological development of English teaching has been paid more and more attention by English educators. English teachers should optimize and innovate the curriculum resources, teaching context, teaching methods as well as the evaluation system, and further improve the English curriculum system with the help of the multimedia and network, to provide students with an ecological learning environment, mobilize students' enthusiasm and initiative in English learning, so as to improve the quality of English teaching and promote the sound development of English education.

The research on ecological teaching of college English is of far-reaching theoretical and practical significance. English teaching plays an important role in the cultivation of international talents. In particular, with the development of the "One Belt, One Road" national development strategy, higher education is supposed to provide more advanced talents with both international language and technology for the national economic and social development. English plays an important part in the international talent-training objectives. Ecological teaching research is conducive to further deepen the reform of English teaching, and eventually improve the quality of English teaching.

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