

# Research on Network-based College English Teaching and Ecological Model of English Teachers' Development

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**Abstract:** College English teaching under the network environment not only brings advantages to classroom teaching, but also has some impacts on teaching concepts, teaching methods and teaching modes. Today, the ecological research of educational model is increasingly paid attention by the educational circle. It is undoubtedly of great theoretical and practical significance to introduce the concept of network into the ecological model of education. This paper attempts to use the basic viewpoints and principles of ecology to guide college English teaching and English teacher development under the network environment, and proposes to improve college English teaching and English teacher development under the network model. Actively build green ecological classroom, let students become the master of the classroom and get harmonious and optimized development, so that the curriculum construction is in a benign ecological cycle.

## 1. Introduction

The new round of college English teaching reform puts the change of teaching mode in a very important position. "Curriculum Requirements" proposes to make full use of modern information technologies such as multimedia computers and networks, and adopt a teaching mode that combines students' autonomous learning with classroom teaching [1]. English teachers in colleges and universities are an important part of teachers in higher education. Under the background of economic globalization, the number of English teachers in colleges and universities is on the rise and their professional development has received extensive attention. Foreign language teaching in our country runs through the whole educational process of basic education and higher education and is one of the key contents of teaching and learning. The rapid development of information technology has brought new hopes and challenges to foreign language education in our country [2]. Linguistic ecology originates from the background of human needs for ecological civilization and belongs to the intersection of ecology and linguistics. Language ecology relies on the theory of ecological language to analyze the problems and solutions in the current English classroom teaching [3]. As an important part of higher education, college English classroom is not only a basic knowledge course, but also a course for students to broaden their knowledge and understand the quality of world culture. Therefore, college English is also an important part of the education ecosystem. Educational ecology has opened up a new field of educational science and inspired new ideas in foreign language teaching.

## 2. Basic Theoretical Issues of Network Technology and Ecological Model

### 2.1. Related Basic Theories of Network Technology

With the rapid development of society, the network technology represented by computer technology is playing an increasingly important role in today's social and economic development. Network technology has been widely adopted in various industries of modern economic society. The excellent degree of network technology has become an important indicator to measure whether a person adapts to social competition. Education informatization cannot be separated from teachers' education informatization. The saving and optimization of teachers' strength is not a weakening of

teachers' role. The improvement of teaching methods is not merely an improvement and enhancement of technology, but also a change in the positioning relationship between teachers and students. Whether a good teaching effect can be achieved depends on how teachers use it [4]. Network technology contains a wide range of content, including computer system operation and maintenance technology, database operation and maintenance technology, office automation basic operation technology, network maintenance and operation technology and other comprehensive information technology systems. With the introduction of information technology into college English classrooms, in addition to the need for teachers to digest and understand new technologies, how to teach students to use new technology to learn English also highlights the important role of teachers [5]. The environment of the college English classroom teaching ecosystem in the network environment is a comprehensive, dynamic and balanced environment. The elements interact and depend on each other and are indispensable. Health, life, harmony, symbiosis, diversity and sustainable development are the most basic principles of the ecological classroom.

## **2.2. Basic Theory of Ecological Model**

The ecological model was originally a biological concept, and the ecosystem refers to an organic connection between the biota and the environment in which it lives. Ecosystems can be divided into different types according to different standards. Ecology teaching theory is a theory developed on the basis of social and cultural theories, which combines language, environment, teachers and students. Ecology teaching analyzes language learning from the perspective of space and time, and discovers the rheological characteristics of language learning [6]. Therefore, the education ecology is a little overused in the direct construction of the language teaching model, and it is relatively empty and weak for the guidance of the original, so it is more appropriate to provide guidance on the theory and the way of thinking. A sound ecosystem emphasizes the organic connection between various components, and the development of various species within the ecosystem is inseparable from each other. Only when we pay full attention to the comprehensive and coordinated development of each component can we have the development of the whole ecosystem [7]. Therefore, we should make information technology and teaching elements, foreign language teaching ideas and foreign language teaching methods deeply compatible and interactive. Each element plays its own role, forming an organic, unified, balanced and stable ecological classroom.

## **3. Analysis of Problems in Current English Teaching in Colleges and Universities from the Perspective of Ecological Model**

### **3.1. In the Whole Teaching Ecosystem, the Teacher's Position is Not Accurate**

Classroom teaching monitoring refers to a classroom management system with teachers and students as the main body. In traditional teaching, classroom teaching monitoring is simply defined as the management of students by teachers. Teachers have absolute authority. Their only goal is for students to get good results in exams, place one-sided emphasis on knowledge, neglect the cultivation of students' comprehensive ability, and monitor behavior is single and arbitrary. Therefore, in the ecological environment of teaching, the role and position of teachers are of course important, but the role of other parts cannot be ignored just because teachers are prominent in their role. English teaching is an ecological system. In the process of teaching, we should try our best to realize the coordination between English teaching and other teaching contents, and at the same time, we should deal with the internal problems of the system. From the perspective of ecology, the tasks of teachers and students are not only "teaching" and "learning", but the internalization of the skills and knowledge of teaching knowledge [8]. Establish a preliminary sense of language, gain initial ability to use English, lay a solid foundation for real communication; develop intelligence, develop observation, memory, thinking, imagination and creativity; students have low attendance and they cannot solve difficult problems in their studies. Get a timely solution, over time, the enthusiasm of students declines, and independent learning also floats in form.

### **3.2. The Existing English Teaching Work Lacks the Guiding Role for Students**

Students are important participants in the entire English teaching work. Even the meaning of the entire English teaching is to achieve the education and English ability of the students. The current study of college English lacks effective guidance for the student system. Networked teacher cooperation is not only the construction of teachers' individual learning practices, but also the collaborative experience generated through dialogue, collaboration and sharing in the context of school collaboration and human-computer interaction. This system not only attaches importance to human life itself, but also to the process of human life, the harmony between human and environment, and the active role of human. It emphasizes that students are both the object and the subject of monitoring. In the daily teaching work, the knowledge taught by teachers is mainly the basic English knowledge. English should attach importance to the overall development of students' listening, speaking, reading and writing. But in the actual teaching process, the ability of listening, speaking and writing of middle school students has not been valued by teachers. The teaching method is single, the students' interest in learning is not high, the learning method is rigid, and the learning effect is not ideal. From the perspective of ecology, the above problems will result in the poor operation of each part of the ecosystem.

### **3.3. Lack of Effective English Teaching Assessment Standards**

In the English teaching system from the perspective of ecology, teachers' teaching language is similar to the water in the ecosystem and runs through the whole teaching process. Whether the teacher's teaching language can be accepted by the majority of students is also an important reason why teachers can be accepted by students. At present, there is a lack of effective assessment standards for English teachers, which cannot guarantee the timely elimination of teachers who are not suitable for teaching. In reality, whether teachers are good or bad, they all receive the same treatment, which is obviously not conducive to the improvement of teachers' teaching enthusiasm. The development of language knowledge is the core component of English language teaching. The new language of the basic education curriculum reform includes the three aspects of listening, comprehension and expression. At present, people pay more attention to the content of student autonomy in the new teaching mode, how to grasp the degree of self-control of students, how to evaluate students' learning, etc. Teachers who are the targets of professional development are not at the center of education or training. Or dominant position. The monitoring is mainly based on self-control, implicit monitoring, regulation-based, multi-directional open monitoring, and should follow the principles of positive equality, respect for tolerance, and effective moderation.

## **4. Suggestions on Improving College English Teaching and the Development of English Teachers**

### **4.1 Correctly Position the Role of Teachers in the Entire English Teaching Ecological Model**

From the perspective of the entire English teaching environment, teachers are an extremely important part of it. Without the participation of teachers, the entire education system cannot function effectively. In the network environment, after the information technology element enters the traditional college English classroom, the traditional college English classroom teaching is broken. In order to reconnect the biological chain, we must integrate information technology with the college English curriculum. This deep integration The connotation is not in the multimedia classroom. As an "ecological factor" in the ecosystem, educational language plays a role in linking with other factors. The ecological model of English teaching is against the oneness and absoluteness of teaching methods. As long as the teaching method can promote students' language knowledge, cultural knowledge and people's all-round development, it can be introduced into the ecological model of English teaching. In the teaching work of teachers, we must pay attention to the role of the Internet. In the new teaching environment, teachers and students are more closely linked through the Internet. At the same time, it is necessary to reflect on the practice so that the test results obtained from the practice are theorized and formalized, so as to gradually improve professional ability, enrich their own teaching methods and experience, and enrich their own teaching

knowledge.

#### **4.2 Strengthen the Guiding Role of English Teaching to Students and Attach Importance to the Cultivation of English Application Ability**

Students are another important participant in the whole ecological model of English teaching. Students' understanding and acceptance are important indicators to measure the success or failure of a teaching work. According to the degree of teachers' change, there should be at least three different levels and categories: using new teaching materials, using new teaching methods and having new educational concepts. On the other hand, for difficult problems, students can also carry out discussions, which can give off sparks of wisdom and generate some new and peculiar ideas. The role of the teacher should be reinterpreted: the class planner before class; the leader and evaluator of the course; and the student's helper after class. How to carry out the "combination" between college English teachers and how to "work" with the help of network platform and network technology is the core issue of research, and education ecology advocates that teachers as practitioners interact with other environmental factors to optimize the composition of the education system. In the classroom, students will be given more opportunities to express themselves actively, so that students will develop the courage to speak and dare to speak, and the ability to speak and speak well. The teaching process has become an interactive process of teacher-student interaction and symbiotic development, with balanced development between teaching and learning, thus realizing the harmonious unity of teaching and learning under the concept of ecological education.

#### **4.3 Establish and Improve the Assessment Mechanism for English Teaching**

The measures to promote the progress of English teaching ecological mode are to improve the quality or quality of all the components of the whole component. The establishment of an assessment system for English teachers, strict management of teachers, to promote English teachers to maintain constant learning. Teachers can refer to the syllabus, but they cannot stick to the syllabus. English teachers should incorporate the latest English content and typical examples into English teaching so that students can have a strong interest in learning. It is true that an atmosphere suitable for learning western culture is being built in English classes. For example, our English classes should also try to create an independent and equal teaching atmosphere between students and teachers, which can provide certain preconditions for the spread of western culture to a certain extent. We need to combine the education regulations and policies of college teachers in China to determine a complete and rigorous quality assurance system for college English teachers, and to form a feasible practice model for the development of college English teachers in colleges and universities. Both the teacher's "teaching" and the student's "learning" are carried out under the guidance of the teaching elements, so the teaching elements are an important part of the stable teaching ecosystem. In the comprehensive skills examination of teachers, it is important to examine the mastery and application ability of teachers' network knowledge. At the same time, improve the examination of students and promote the healthy development of the entire ecosystem.

### **5. Conclusion**

In short, teacher development is an important way to change teachers' ideas, improve information literacy, and improve teaching methods. Construct a teacher development framework that optimizes teachers' teaching views (teaching beliefs), teacher information literacy, and diversified teaching methods. Whether it is engaged in subject research or foreign language teaching, the personal strength of teachers is limited. The network's help not only provides a venue for mutual help and cooperation for college English teachers, but also creates a spiritual home that awakens the mutual help culture of university teachers. Under the background of ecological civilization, English teaching should be reformed constantly to meet the needs of the development of ecological problems. As an important part of education in China, English teaching affects the construction and development of social culture. Therefore, the central task of this study is to improve the quality of College English teaching and the ability of College English teachers to develop in an all-round way.

Through the improvement of English teaching and the improvement of English teachers' quality, we can better promote the cultivation of students and cultivate more excellent English talents for the development of society.

## References

- [1] Liu, B. (2017). Reform and Development of College English Teaching Mode in the New Media Era-Comments on "Research on the Evolution of Chinese College Business English Teachers' Beliefs and Teaching Mode under New Media Technology". *News Front*, no. 04, pp. 162-163.
- [2] Liu, Y.L. (2017). Scientific Orientation of Teachers' Ecological Role in College English Teaching. *Educational Theory and Practice*, no. 18, pp. 33-34.
- [3] Guo, N. (2017). Teacher's Role in the Period of College English Teaching Reform-Comments on "Research and Exploration on English Teaching Reform and Teacher Development". *Educational Theory and Practice*, no. 05, pp. 2.
- [4] Redan. (2019). Research on the Development Approaches of College English Teachers' Information Literacy from the Perspective of Ecology. *Foreign Language Audio-visual Teaching*, vol. 185, no. 01, pp. 20-24.
- [5] Lu, X.X. (2017). Analysis on the Improvement of College English Teachers' Professional Quality-Comments on "Research on the Professional Development Environment of College English Teachers in China". *News and Writing*, no. 12, pp. 123.
- [6] Li, X. (2017). Research on Internet-based Ecological Curriculum for College English. *Chinese Foreign Languages*, no. 05, pp. 83-88.
- [7] Wang, Q. (2017). How to Construct English Ecological Teaching Model System-Comments on "Research on Construction of College English Ecological Teaching Model". *Chinese Journal of Pedagogy*, no. 07, pp. 128.
- [8] Wang, P. (2017). Exploration and Practice of Hierarchical Teaching Mode of College English. *Exploration of Higher Education*, no. S1, pp. 74-75.