

10.18686/neet.v2i5.4649

Exploration on the Implementation Path of Digital Empowerment in College English Teaching

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Abstract: In the context of the rapid advancement of globalization and informatization, digital technologies are gradually penetrating various fields and profoundly influencing education. College English teaching is an important part of higher education. How to use digital means to promote the improvement of teaching effects has become an important issue in the current educational reform. Today, with the wide application of intelligent devices, network platforms and multimedia resources, the traditional teaching mode of college English is undergoing a fundamental transformation. Digital empowerment not only provides teachers with rich teaching resources and tools, but also brings students more personalized and interactive learning experiences. Therefore, exploring the realization approaches of digital empowerment in college English teaching is of very practical significance for improving teaching quality and students' comprehensive English ability.

Keywords: Digital Empowerment; College English; Teaching Path

Introduction

In recent years, against the backdrop of the rapid development of information technology, digital learning has gradually become an important development trend in the field of education. The Chinese government attaches great importance to the development of educational informatization and has promulgated a number of policies and measures to encourage colleges and universities to actively introduce digital technologies into teaching. The "Education Informatization 2.0 Action Plan" clearly states: Accelerate the deep integration of education and information technology, improve teachers' information literacy, and promote the sharing of high-quality educational resources. Under such circumstances, the digital transformation of college English teaching has become an inevitable development trend. However, at present, many colleges and universities still face many challenges in promoting digital English teaching, such as the lack of teachers' digital teaching ability, the low utilization rate of digital resources, and the imperfect teaching effect evaluation system. Therefore, conducting in-depth research on how to effectively implement the path of digital empowerment to promote the reform and innovation of college English teaching is of great theoretical and practical significance.

1. Theoretical Basis of Digital Empowerment

1.1 Concept and Connotation of Digital Empowerment

Digital empowerment refers to improving the ability and efficacy of individuals or institutions through the application of digital technologies, thereby achieving more effective and innovative work or learning. In the field of education, digital empowerment is not merely the introduction of tools and technologies, but rather a comprehensive innovation of teaching concepts, methods, and resources. Through means such as multimedia resource integration, intelligent learning platforms, and big data analysis, digital empowerment can provide teachers with richer teaching content and more flexible teaching methods. It breaks through the limitations of traditional teaching in terms of time and space, enhancing teaching interactivity and participation. Additionally, digital empowerment also facilitates the realization of personalized learning for students, allowing them to study independently according to their own learning progress and needs, and enhancing learning effects. Simultaneously, digital empowerment enables teachers to have a more accurate understanding of students' learning situations through real-time data feedback and analysis, facilitating targeted guidance and adjustments. While optimizing the teaching process, digital empowerment also promotes the fair distribution of educational resources and the sharing of high-quality resources, thereby laying a strong technical support and practical foundation for building an efficient, innovative, and personalized educational ecosystem. It represents the direction of modern education development and is an important means to improve educational quality and cultivate innovative talents.

1.2 Characteristics and Demands of College English Teaching

College English teaching has its unique characteristics and demands. It not only undertakes the responsibility of developing students' lan-

guage abilities but also promotes the development of students' cross-cultural communication skills and global vision. College English teaching focuses on the combination of language knowledge and practical application ability. It requires students to not only have basic knowledge of vocabulary and grammar but also be able to comprehensively apply knowledge in listening, speaking, reading, and writing. Therefore, great importance should be attached to interactivity and practicality in the teaching process, and the ability to use language is cultivated through situation simulation and case analysis. In addition, college English teaching also faces the challenge of students' diverse language proficiency. How to meet the learning needs of students of different levels in the same class is a key issue in instructional design. Students not only need to acquire language skills but also cultivate critical thinking ability, cross-cultural awareness, etc. This requires that the teaching content should involve a large amount of cultural background knowledge, current affairs hotspots, and other contents to help students have a deeper understanding and adaptation to the global environment. College English teaching also needs to adapt to the requirements of the rapid social development for talents, constantly update the teaching content, incorporate English application scenarios related to the major, and improve students' professional competitiveness. To sum up, college English teaching requires meeting diversified and comprehensive teaching requirements on the premise of ensuring basic language teaching to promote the all-round development of students.

2. Implementation Paths of Digital Empowerment in College English Teaching

2.1 Construction of Diversified Digital Teaching Resource Platform

Constructing a diversified digital teaching resource platform is a core part of the digital transformation of college English teaching. It is not only the digital reproduction of traditional textbooks, but more importantly, it is to create a comprehensive one that can support personalized learning, interactive teaching, cross-platform use and other functions through the integration and optimization of various digital resources. This platform should contain various rich learning resources, such as multimedia tutorials, e-books, online practices, simulation tests and interactive examples, to meet the learning requirements of students at various levels. The introduction of artificial intelligence and big data analysis technology into this platform can dynamically analyze students' learning behaviors and progress, and provide services such as personalized learning path recommendations and instant feedback, helping students acquire knowledge more efficiently. In addition, this platform needs to have strong interactive functions to support real-time communication and cooperative learning among teachers and students and among students, and improve the interest and participation of learning. The diversification of the resource platform is manifested not only in the diversity of content, but also attaches importance to the characteristics of openness and sharing of resources, encourages resource sharing and collaboration among teachers and students and among schools, and promotes the wide publicity and promotion of high-quality educational resources. Through the construction of such a diversified digital teaching resource platform, college English teaching can better meet the needs of modern educational development, promote the improvement of teaching quality, promote the innovation of teaching models, achieve educational equity, and maximize the utilization of high-quality resources.

2.2 Enhancing Teachers' Digital Teaching Ability

The improvement of teachers' digital teaching ability is the key to the digital transformation and development of college English teaching. This is not only related to whether teachers can effectively use digital tools, but also related to the innovation of teaching concepts and methods. The cultivation of digital teaching ability should focus on three levels: technology mastery, instructional design, and innovative thinking. From the perspective of technology mastery, teachers need to be familiar with various digital teaching tools and platforms and understand their functions and application scenarios, such as how to use online learning platforms to manage courses, how to use big data to analyze students' learning progress, and how to use virtual reality technology to create an immersive language learning environment. More importantly, teachers need to deeply integrate these technologies with teaching content and design appropriate digital teaching activities for different teaching goals, so that technology truly serves teaching rather than being superficial. At the same time, teachers also need to have innovative thinking, be able to continuously explore and try new teaching models, such as flipped classrooms and blended teaching, use digital means to enhance teaching interactivity and flexibility, and promote students' sense of participation and learning effects. In order to effectively improve teachers' digital teaching ability, colleges and universities should carry out systematic training and continuously support professional development, including workshops, online courses and exchanges of teaching practice, to help teachers continuously update their knowledge and master the latest digital teaching methods and tools, thereby promoting the improvement of the overall teaching level and adapting to the needs of education in the new era.

2.3 Implementing Personalized Learning Path Design

Personalized learning path design needs to be data-driven. By using big data and artificial intelligence technologies to monitor students' learning behaviors, progress, interests, and weak links in real time, students' learning characteristics can be accurately identified. Teachers can use this information to help students formulate personalized learning plans, recommend appropriate learning resources and activities, adjust

the learning difficulty and pace, and ensure that each student keeps moving forward along the appropriate trajectory. With the support of intelligent systems, students can receive immediate feedback during the learning process, which is conducive to students' timely discovery and correction of problems, and improves learning initiative and self-confidence. Personalized learning path design not only focuses on students' mastery of language knowledge, but also pays attention to the cultivation of their comprehensive abilities such as critical thinking, cross-cultural communication skills, and autonomous learning ability. During implementation, students should be encouraged to participate in the design of the learning path through self-assessment, goal setting, and other methods to enhance their learning autonomy and self-management ability. Through the implementation of personalized learning paths, college English teaching can better meet the diverse needs of students, promote the improvement of teaching effects, and cultivate compound talents with strong innovation ability and broad global vision.

3. Conclusion

In conclusion, digital empowerment for college English teaching is an inevitable trend of the times and an important means to promote the improvement of teaching quality and efficiency. Starting from integrating digital resources, innovating teaching methods, optimizing the learning environment, and strengthening the digital literacy of teachers and students, it can bring new vitality to college English teaching, stimulate students' interest in learning, cultivate autonomous learning ability, and cross-cultural communication ability. In the future, against the backdrop of continuous technological progress and the update of teaching concepts, college English teaching, empowered by digitalization, is bound to present broader development prospects and unlimited possibilities.

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