

# Research on the integration path of information technology and primary school English teaching

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**Abstract:** With the rapid development of Internet technology, the traditional English teaching model in primary schools can no longer meet the English learning needs of contemporary students. In primary school English teaching, the effective combination of information technology and teaching activities can not only improve the quality of primary school English teaching, but also help to cultivate students' core English literacy. Based on this, this paper starts from the importance of the integration of information technology and primary school English teaching, analyzes the current situation of the integration of information technology and primary school English teaching, and puts forward the implementation path of integration, in order to promote the deep integration of information technology and primary school English teaching.

**Key words:** Information technology; Primary school English; Integration path

The rapid development and wide application of information technology has changed the traditional teaching mode and way in the field of education. The application of information technology in primary school English teaching can not only improve the classroom teaching effect, enrich the teaching content, but also stimulate students' interest and enthusiasm in English learning. However, at present, there are still some challenges and problems in the integration of information technology and primary school English teaching. Therefore, primary school English teachers should actively learn and master the application skills of information technology, innovate teaching methods and means, and promote the integration of information technology and primary school English teaching, so as to better cultivate students' English language ability, practical ability and thinking ability.

## I. The importance of the integration of information technology and primary school English teaching

### 1. It helps to stimulate students' interest in English learning

In the current era of rapid development of information technology, students may feel bored with the traditional English teaching methods in primary schools. However, through the integration of information technology and primary school English teaching, a more interesting and interactive learning environment can be created, thus stimulating students' interest in English learning. In the integration of information technology and primary school English teaching, teachers can make use of multimedia technology to present English learning content. Through pictures, music, video and other forms of display, students can have a strong desire to explore the content of primary school English teaching. At the same time, with the help of information technology, students can choose suitable English learning resources and methods according to their own interests and needs, and carry out personalized learning plans according to their own learning progress and level, so as to promote students to participate in English learning more actively.

### 2. Enrich primary school English teaching resources and contents

Rich teaching content can help students better understand and master English knowledge, and improve students' enthusiasm and participation in English learning. Network resources are an important part of education in the information technology era, which can provide more extensive and abundant learning resources for English teaching in primary schools. Teachers can use Internet search engines, online resource libraries and teaching websites to find English learning materials suitable for primary school students, including English picture books, English songs, English videos and English games, so as to enrich the teaching content and help students learn and apply English better. In addition, with the support of information technology, teachers can also combine the characteristics of contemporary primary school students, carry out English broadcasting, English drama production and other activities, further expand the primary school English teaching content, guide students to form a good core quality of English.

### 3. Improving the quality of English teaching in primary schools

The application of information technology in English teaching in primary schools can improve the interaction and personalization of English classroom teaching activities, thus promoting the reform of English teaching in primary schools and improving the quality of teaching. On the one hand, the application of information technology can provide more English resources and teaching methods, create a more diversified and interesting teaching conditions for students, and encourage students to take the initiative to learn English, improve their listening, speaking, reading and writing ability, and better understand and use English knowledge. On the other hand, the application of information technology can also provide more feedback and evaluation means. Through the online teaching platform, teachers can assign homework and tests, and obtain students' learning situation in time through the corresponding functions, so as to adjust the teaching strategy and content according to students' performance. This personalized teaching method can better meet the learning needs of students and improve the teaching quality of primary school English classes.

## II. Current situation of integration of information technology and primary school English teaching

### 1. IT primary school English teaching resources still need to be optimized

Information-based primary school English teaching resources are an important aspect of the integration of information technology and primary school English teaching. However, there are still many aspects that need to be optimized in the selection and development of teaching resources. When some teachers use the English teaching resources on the Internet, they mostly directly copy and use them, without adjusting them according to the actual learning situation and teaching content. Such teaching resources often cannot meet the actual English learning needs of students. In addition, when choosing and using information-based English teaching resources, teachers tend to ignore the quality and sustainability of teaching resources. In English teaching, teachers need to pay attention to the reliability, accuracy and copyright of teaching resources, and update and maintain existing teaching resources in a timely manner to keep up with the development of information technology and the needs of teaching practice.

### 2. The English teaching environment and facilities in primary schools are relatively unitary

A good teaching environment can provide a suitable learning atmosphere, promote students' interest in English learning and teachers' teaching effect. However, in primary school English teaching, due to the limitations of classrooms and teaching equipment, there are some problems in the teaching environment of many schools. For example, the phenomenon of old multimedia teaching equipment exists in some primary school classrooms, which brings certain troubles to the integration of information technology and primary school English teaching. At the same time, with the rapid development of information technology, the primary school English online teaching platform is urgent. Primary schools and English teachers should introduce advanced electronic teaching equipment and online teaching platform system to meet the needs of information technology and primary school English teaching.

### 3. Teachers' application ability of information technology needs to be improved

In the process of the integration of information technology and primary school English teaching, teachers' application ability of information technology has a direct impact on the effect of primary school English teaching and teachers' professional development. However, some primary school English teachers, especially the older ones, lack the necessary knowledge and skills in the application of information technology, and cannot skillfully use electronic equipment and educational software to support their teaching. This poses a challenge to the effective implementation of the integration of information technology and primary school English teaching. With the rapid development of science and technology and the continuous update of information technology, new education and teaching models and tools continue to emerge. If primary school English teachers cannot quickly adapt to these new teaching techniques and tools, it will affect students' learning effectiveness and the innovative development of primary school English teaching to a certain extent.

## III. Implementation strategies for the integration of information technology and primary school English teaching

### 1. Strengthen the application of information-based primary school English online teaching platform

With the rapid development of information technology, various online teaching platforms have emerged at the historic moment, providing new possibilities for primary school English education and teaching. In the integration of information technology and primary school English teaching, the application of online teaching platform can effectively improve the teaching effect, promote the cultivation of students' comprehensive English ability, and promote the development of primary school English education and teaching. First of all, through the construction of online teaching platform, teachers can integrate and use various network resources, such as video micro-lessons, interactive courseware, English learning games, etc., to provide more vivid and interesting teaching content for primary school English teaching. Such teaching resources can stimulate students' interest in learning and improve their enthusiasm for English learning, so as to better improve the effect of English teaching in primary schools. For example, in teaching "Look at me! In this unit, teachers can assign homework for students to watch micro-lesson videos on online teaching platforms to preview before class. In the content of micro-lesson, teachers can explain the English words for face organs such as ear, eye, nose and mouth through childlike language and exaggerated body movements. At the end of the video, teachers can ask students to compose words, learn and record them, and upload them to the online teaching platform. Then, the teacher will screen these videos and select three excellent vocabulary learning exercises to show in class and give praise, so as to enhance the effective linkage of online and offline teaching. Secondly, teachers can also set up online assessment, interactive discussion and other functions on the online teaching platform to promote students' active participation and the cultivation of English thinking ability. At the same time, the online teaching platform can also provide real-time feedback on students' English learning, help teachers adjust teaching strategies in time, and thus improve the quality of primary school English teaching and students' learning effect. It should be noted that teachers should also pay attention to the management and maintenance of the online teaching platform, ensure the safety and stability of the education platform, and update and upgrade it regularly to meet the new needs and development of primary school English education and teaching.

### 2. Using information technology to innovate primary school English teaching methods and means

In primary school English teaching, the use of information technology to innovate primary school English teaching methods and means is helpful to improve the effect of primary school English teaching and cultivate students to form a good core quality of English. The traditional English teaching methods in primary schools are often boring and difficult to arouse students' active participation and interest. However, the primary school teaching method integrating information technology can make the teaching activities lively and interesting by

means of multimedia, virtual reality and other technical means, so as to stimulate students' interest and enthusiasm in English learning. For example, when students learn the unit "We love animals", traditional primary school English teaching often only teaches students the English words of animals involved in the textbook, which does not fit in with some students' daily life and interests. In this regard, teachers should make full use of information technology and play animated English videos about animals for students in the leading-in part of the class with the help of multimedia devices, so as to focus students' attention and curiosity. In addition, a teaching session of "Singing together" is created. While playing background music, students are led to sing the characteristics of pig, bear, cat, duck, dog and other animals through singing, so as to enhance students' understanding and memory of these animals and their characteristics. By introducing various multimedia resources and interactive teaching activities, teachers can make primary school English classroom teaching more colorful, so as to adapt to the cognitive rules and learning needs of contemporary primary school students. At the same time, teachers can also use information technology to guide students through independent inquiry, group cooperation and other teaching methods to cultivate students' innovative thinking and the ability to apply their English knowledge to solve practical problems.

### 3. Improving primary school English teachers' ability of IT practice and application

With the rapid development of information technology, the mode and teaching methods of primary school English education are constantly changing and updating. For the current English teaching in primary schools, improving the practical application ability of IT is not only an important driving force to promote the integration of information technology and primary school English teaching, but also a key factor to improve the quality of primary school English teaching. First of all, the professional development of teachers is the basis to ensure the quality of teaching. In the process of integrating information technology into primary school English teaching, teachers need to have rich teaching knowledge and skills, and be familiar with the application of the latest educational technology and teaching resources. Through continuous learning and professional development, teachers can continuously improve their teaching ability and realize the innovation and renewal of education and teaching. Secondly, under the background of the integration of information technology and primary school English teaching, traditional teaching methods have been unable to meet students' English needs. It is necessary for teachers to conduct regular professional learning to master the teaching methods that keep pace with The Times, such as using multimedia teaching, network resources and online teaching platforms, so as to improve the effect of primary school English classroom teaching. In addition, as the leader of primary school English education, communication and cooperation among teachers play a crucial role in improving teaching quality and educational reform. Teachers should actively participate in various information technology training and English teaching and research activities, interact and communicate with other English teachers, and share their teaching experience and information technology application experience, so as to jointly promote the integration of information technology and primary school English teaching. At the same time, the evaluation mechanism for teachers should be constantly improved. Through the evaluation of teachers' performance and teaching quality, teachers should be encouraged to actively learn advanced educational concepts and improve their practical application ability of information technology and English teaching ability.

## IV. Conclusion

To sum up, in primary school English teaching, teachers should adopt various strategies to promote the effective integration of information technology and primary school English teaching. By strengthening the application of the information-based primary school English online teaching platform, innovating primary school English teaching methods and means by using information technology, and improving primary school English teachers' practical application ability of information technology and other implementation paths, the traditional primary school English teaching mode is changed to create a relaxed and pleasant English learning atmosphere for students. In order to achieve the educational goal of improving students' English knowledge level and English application ability.

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