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Application and Prospects of Digital Technology in

Teaching Tourism Landscape



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Abstracts: With the rapid development of digital technology, the field of education has also ushered in a revolutionary change, in the teaching of the tourism landscape, traditional teaching methods have been gradually replaced or improved by digital technology, and the application of digital technology is gradually becoming one of the most important means to enhance the teaching effect and students' learning experience. Teachers must actively change their teaching concepts, clarify the importance of the application of digital technology, use digital technology to create a more vivid and interesting teaching environment for students and improve the quality of teaching. The article first introduces the advantages of the application of digital technology in tourism landscape teaching and then gives its application and prospects in tourism landscape teaching.

Keywords: digital technology; tourism landscape teaching; application; outlook

Introduction

The rapid rise of digital technology has completely changed the face of the education field, from traditional teaching methods to modern innovative methods, digital technology is becoming an important part of education. In this digital era, tourism landscape teaching is also bound to benefit from the application of digital technology. The traditional teaching of the tourism landscape relies on books, pictures, field trips, etc., but these methods cannot really allow students to immerse themselves in the charm of the attractions, and it is also difficult to meet the diverse learning needs of students. With the application of digital technology in tourism landscape teaching, students can deeply understand the history and culture of attractions, and through online education platforms and social media, students can share their views and experiences with others, and realize cross-cultural exchanges and the application of these digital technologies has brought new opportunities for tourism landscape teaching and a better learning experience for students.

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1. Advantages of the application of digital technology in tourism landscape teaching

1.1 Helps to enhance student's learning experience

The application of digital technology in tourism landscape teaching has significant advantages, especially in enhancing students' learning experience, through virtual reality and augmented reality technology, students can personally feel the real atmosphere of the attractions as if they were there. immersive learning experience stimulates students' emotions and interests, enabling them to engage in learning more deeply. In virtual reality, students can walk through the head-mounted device or screen as if they were walking in a distant attraction, They can 360, degrees around the surrounding scenery, appreciate the beauty of the scenery, and also with the help of interactive elements understand the history of the attraction, cultural background, etc., and augmented reality technology will be the virtual elements into the real environment, for example, the use of cell phones or tablets to view the information in the actual attraction, so that students can be in the real environment, and the students will have the opportunity to experience

the real atmosphere of the attraction. This allows students to access additional information in a real environment, enriching their perceptions. This immersive experience stimulates students' curiosity and inspires a desire to explore and learn more about the attraction. This sense of personal involvement can make learning more interesting and vivid, transforming students from passive reception of information to active participation in learning, which in turn enhances their learning effectiveness and sense of achievement (Guo. 2023).

1.2 Help to broaden the scope of student learning

The application of digital technology in the teaching of tourism landscape has important advantages in broadening the scope of student learning. Traditional teaching is usually limited by geographical and time constraints, while digital technology breaks these boundaries and provides students with broader learning opportunities. With interactive mobile apps, students have the freedom to choose the path and content of their learning and can explore sites and cultures around the world wherever they are. They can interact with virtual environments and experience different geographies through digital devices inside and outside the classroom, and even at home. Such flexibility removes the geographical constraints on learning and enables students to gain a more comprehensive understanding of the tourist landscape around the world. In addition, the digital platform can integrate rich and diverse historical, cultural, and geographical information to provide a full range of learning resources. Students can gain an in-depth understanding of the historical development, geographical characteristics, and connection with the local culture of the attractions through virtual tours, interactive maps, and multimedia presentations. This richness of information not only enriches students' knowledge reserves but also stimulates their deeper curiosity and desire for knowledge.

1.3 Helps to improve the overall quality of teaching

The application of digital technology in the teaching of tourism landscape brings significant advantages for the improvement of the overall

teaching quality. Through innovative teaching methods and rich learning resources, digital technology can promote the overall development of teaching, thus enhancing the learning effect and comprehensive quality of students. Digital technology provides teachers with more flexible teaching tools, Teachers can use multimedia materials, virtual tours, interactive maps, etc., to present learning content in a visual, auditory, and interactive way, and this diversified presentation can meet the learning needs of different students, making teaching closer to students' interests and learning styles, thus increasing the attractiveness of learning 2023). At the same time, and participation (Chen, digital technology also provides support for personalized learning and independent learning. Students can choose their learning paths and resources according to their interests and needs, and carry out independent learning and exploration through online platforms, this personalized learning style helps to stimulate students' initiative and independent thinking ability and improve their comprehensive quality. Most importantly, digital technology provides teachers with more data and feedback to help them better understand students' learning progress and needs. Teachers can adjust and optimize their teaching strategies according to the performance of their students, thus achieving more effective teaching results. This data-based teaching method helps to continuously improve the quality of teaching, makes teaching more targeted, and helps to improve the overall quality of teaching.

2. Application of digital technology in tourism landscape teaching

2.1 The use of virtual reality and augmented reality technology

In the teaching of tourism landscape, teachers can make full use of virtual reality and augmented reality technology to enhance the learning experience of students innovatively, and create an immersive teaching environment. Teachers can utilize virtual reality technology to create a realistic attraction-guided tour experience for students.

Through VR equipment, students can feel as if they are in the attraction, look around, and feel the beauty and atmosphere of the attraction, and teachers can design virtual guided tour routes to guide students in exploring different attraction features, history, and cultural backgrounds (Liang, 2023). augmented reality technology, teachers superimpose virtual elements based on actual attractions to enrich students' learning experiences. Through cell phones or tablet computers, students can scan specific attractions and obtain multimedia information such as images, videos, sounds, and other information related to them, and this kind of interactive learning can introduce the history and cultural background of the attractions in depth, and stimulate students' interest. With the application of digital technology, teachers can also design immersive learning activities to allow students to participate in the interaction in the virtual environment, such as simulating historical events in virtual reality, allowing students to play the relevant roles and experience the historical scene; or through augmented reality, allowing students to solve problems in the actual scene, increasing the interactive and practical components, in the actual teaching process Teachers can choose some representative attractions as cases, and guide students to use virtual technology to analyze and discuss in depth. Students can experience the attractions through virtual reality and then discuss them in the their classroom, sharing experiences understanding of the attractions, thus promoting knowledge exchange and in-depth thinking (Wang, et al, 2020).

2.2 Application of Interactive Mobile Applications

In teaching the tourism landscape, teachers can make full use of interactive mobile applications to provide students with a more interactive and participatory learning experience. With the help of digital technology, teachers can design virtual tours with the help of interactive mobile applications, so that students can visit the attractions through cell phones or tablets. Students can choose their tour path and learn about the characteristics, history, and

cultural background of the attraction, and this interactive learning method can stimulate students' curiosity and desire to explore. At the same time, teachers can embed rich multimedia resources, such as pictures, videos, audio, etc., in the apps to introduce various aspects of the attractions, which not only enriches the learning experience of students but also meets the learning styles of different students. Using apps teachers can also meet the personalized learning needs of students, teachers recommend relevant learning resources customized learning plans for students according to their interests and needs, thus improving the effectiveness and engagement of learning (Zhou, 2019). Through the full application of interactive mobile applications, teachers can create a more participatory and interactive learning environment for students, which not only enhances their learning experience, but also stimulates their interest in learning, deepens their understanding of the attractions, and thus improves the teaching effect and comprehensive quality.

2.3 Application of online education platform and resources

In the teaching of the tourism landscape, teachers can make full use of online education platforms and resources to provide students with rich and diverse learning content and interactive opportunities. The online education platform provides a broad sharing space for teachers, who can share multimedia materials, such as pictures, videos, audio, etc., on the online education platform, which are used to introduce the history, cultural background, and characteristics of the attractions. These multimedia elements can stimulate students' visual and auditory perceptions so that they can better understand what they have learned. At the same time, teachers can use the online platform to provide virtual tours and interactive maps for students to explore the attractions in a virtual environment. By clicking, dragging, and dropping, students can freely navigate the tour and gain an in-depth understanding of the characteristics of different attractions and their historical backgrounds. In addition, on the online

education platform, teachers can also record online courses and lectures related to tourism landscapes for students to learn outside the classroom, which can cover the background, history, and culture of the attractions, and at the same time guide students to think and discuss. After students have studied, teachers guide students to discuss on the online education platform, where students can share their views, and experiences and have in-depth discussions, thus deepening their understanding of the attractions (Jiang, 2023). As the functions of the online education platform are very diverse, the platform can also provide online exams and quiz functions to help students test their mastery of the knowledge of attractions, which can motivate students to learn actively, at the same time, it also provides teachers with a tool to assess students' learning outcomes. With the help of the online education platform, every student can break the limitations of time and space for learning, and at the same time, it can enable students to obtain more and better quality learning content, which can help to promote the independent learning and thinking ability of students, to improve their learning effect and comprehensive quality in the teaching of tourism landscape.

3. Prospect of the application of digital technology in tourism landscape teaching

3.1 Deepen the integration of virtual and reality

The outlook of the application of digital technology in tourism landscape teaching is very attractive, and one of the important development directions is to deepen the integration of virtual and reality. In the future, virtual reality technology will become more realistic and immersive, and students may be able to interact with virtual attractions through more advanced devices, such as holographic projection and body-sensing technology. They may not just watch but be able to participate in person, interacting with the characters in the virtual scene and exploring more levels of information. This immersive experience will enable students to understand the history, culture, and characteristics of the attractions more deeply, thus making learning

more vivid and interesting. On the other hand, the intelligence and interactivity of augmented reality technology will be further developed, and students can use smart glasses or devices to get real-time information about attractions, such as historical events and cultural backgrounds, etc. This real-time interactivity enables students to understand the current situation of the attractions and the connection with history and culture in a deeper way (Wang, 2021).

3.2 Personalized Learning and Data Analysis

With the continuous development of education technology, personalized learning, and data analytics will become an important direction for teaching and providing students with a learning experience that better meets their interests and needs. Personalized learning will tailor learning paths and resources for students based on their learning characteristics, interests, and learning journeys. In tourism landscape teaching, personalized learning can recommend specific attractions, historical events, or cultural elements based on students' preferences. Teachers can use digital platforms to collect students' learning data to understand their areas of interest and learning progress and to design a suitable learning plan for each student. Personalized learning not only improves students' learning outcomes but also stimulates their interest and motivation in learning. Data analysis plays a key role in personalized learning. Teachers can understand students' learning habits, knowledge mastery, and learning progress through data analysis, based on which teachers can make targeted teaching adjustments to provide students with better learning support. At the same time, data analysis can also help teachers assess the effectiveness of different teaching strategies, to optimize teaching design and resource allocation.

3.3 Social and Collaborative Learning

In the future, digital technology will provide students with more opportunities for social interaction, and students can share their insights, experiences, and thoughts on attractions with classmates, teachers, and other learners through online forums, social media groups, and other platforms. This social interaction not only promotes knowledge exchange among students but also develops their cooperation and teamwork (Chen, 2018). Teachers can also participate by providing guidance and answering questions, thus enhancing the interaction between students and teachers. In addition, digital technology will also promote the development of collaborative learning. Students can utilize online collaborative platforms to work together on projects, research, and tasks. For example, when researching a particular attraction, students can work together in groups to collect information, create displays, write reports, etc. This collaborative learning develop students' communication, and problem-solving skills so that they can better adapt to the future social environment.

Summarize

To summarize, digital technology brings new possibilities to education by enhancing students' learning experience, broadening the scope of learning, creating immersive learning environments, and other advantages. With the support of virtual reality, augmented reality, online education platforms, and other technological strategies, teachers can better meet the learning needs of students and improve the overall quality of teaching. In the future digital technology will bring more possibilities for teaching tourism landscape, create a more attractive and effective learning experience for students, and promote the continuous innovation and progress of education.

Conflict of Interest

The authors declare that they have no conflicts of interest to this work.

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