

Pedagogical Characteristics of Conducting Lessons through Virtual Reality Technology

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Abstract: This article is about the pedagogical features of conducting lessons through virtual reality technology in educational processes about, the importance of virtual reality technology in education and pedagogical features are highlighted. VR systems increase the ability to offer real-time feedback and assessments in a virtual environment. VR technology also plays an important role in developing the student's abilities, identifying their strengths and weaknesses and guiding them accordingly. VR technology also provides equal access to all information in education, as students can access learning materials and experiences anywhere in the world. Students who were previously excluded from traditional education due to physical disabilities, socioeconomic status, or geographic location can now receive the same quality education as anyone else. VR technology offers an inclusive approach to learning, ensuring that no one is left behind in the pursuit of knowledge.

Keywords: VR, virtual reality, virtual reality, augmented reality.



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VR technology can be a great and useful technique for students who have difficulties in acquiring knowledge in educational processes. With this technique, students can learn about the world.

Teachers can use VR headsets to give their students a real sense of being there when introducing or explaining a landscape: for example, swimming with a shark or experiencing changes in a primitive environment. . For many students, this is an incredible experience that improves the quality of the lesson and the depth of knowledge of the students.

It's not uncommon for students to have difficulty using VR headsets. With an immersive classroom, teachers can teach in a much simpler way. A virtual tour allows students to experience an unforgettable and immersive location using VR.

Virtual tours are one of the most common uses of VR technology in education, and they offer many advantages for students and schools. Almost every student likes to go on a school trip, whether it's to a museum, a monument, or even to another country. Unfortunately, many students fail to experience them for various reasons. This may be due to disability, cost or transportation issues, and other reasons.

With VR, every student can enjoy the same field trip experience for free. This level of inclusion with 100% participation is not possible with traditional tours.

Schools can save time and money by providing travel experiences without leaving the classroom. While many schools are yet to see virtual field trips replace actual school field trips, the trend is definitely toward VR. As school budgets become increasingly tight, cost savings on travel, tickets and time cannot be overlooked. Aside from the initial setup cost and minimal instructor training, virtual tours are mostly free. In addition, teachers do not need to spend time writing and obtaining permits.

In addition to reducing the cost of field trips, virtual tours allow students to experience places that are too expensive and impractical for schools to visit. It's now possible to let the whole class experience the coliseum.

The value that virtual tours can add to schools is immense. Although they do not completely replace regular field trips, they can reduce the need for them and provide additional experiences for students at a lower cost to schools. Virtual school trips offer a welcome change from traditional reading and writing. They can be used as a way to break up a topic or introduce a new one, and they help keep readers' attention.

In addition, many teachers understand the importance of offering a variety of teaching methods that help students learn in different ways. Not every student learns well with traditional teaching, and VR offers another great way to engage students.

The role of Virtual Reality in studying the environment, especially in studying the nature of climate, is incomparable. Because simple images and videos rank better than text. Through a virtual tour, students can feel as if they are in the same place and understand the surroundings better.

It can be learning about history and visiting a monument, or learning about the environment and visiting a nature reserve. Of course, the possibilities are truly endless through VR. Virtual content can be tailored to a lesson plan and theme, giving teachers and schools control over the story.

Set up VR on location in the Hebrides Allowing students to imagine the location as a real experience often helps to engage them in the subject. Environments that were previously out of reach can be brought to life in the classroom. Virtual tours are one of the most effective ways to introduce students to one of our biggest challenges - climate change. While there is no substitute for science when it comes to climate change, getting students interested in it in the first place can be a real challenge.

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