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How virtual reality can be the future of education?

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Teaching and learning have gone beyond the norms of reading from a book and understanding. With the most sophisticated technologies, students are able to better visualize and understand concepts at a much profound level. For example, technologies such as virtual reality allow students to experience the pyramids of Giza through virtual reality headsets from their classrooms. We have gone beyond the era of minimal world-wide maps to help students and create virtual tours of the Pyramids of Giza.

Virtual reality will transform the textbook into a real-world scenario, and exponentially speed up the learning process with proper implementation of 3D immersion and virtual reality technology in hundreds of classrooms across educationally progressive schools and learning labs throughout the country.

One may wonder why this technology would work in education, when we already have a vast amount of technology to help students. The current generation is adapting quickly to the technology evolving around them. They are immersed in every form of education, and this works an advantage when it comes to implementing advanced technologies such as virtual reality in education. It is bound to hold the attention of a student who has grown up in a three-dimensional landscape or an exploratory room. This concept caters perfectly to the millennial group, with students seeing a room similar to a reality in which the student is playing the protagonist. This is more likely to keep the student more involved, just as sitting at the back of a classroom.

Furthermore, visualisation of subjects which are not in existence in today’s reality presents a challenge for the student. Virtual reality enables the experiential learning possible through the creation of these non-existent environments. For example, if you are a history teacher, virtual reality will give you the opportunity to explore historical sites or visit a time period such as the American Civil War, or the Valley of the Kings. Students will be able to explore various aspects, often by using head-mounted displays (HMDs) and data gloves—for hands-on activities in a virtual environment.

Keeping the students more engaged, VRI incorporates some of the proven methods of learning in young children. Another major way virtual reality will prove to be an advantage in the education sector is making field trips more accessible and cost-effective. It will help transform teacher-student relationship, allowing the virtual presence of students in classes without having to physically visit a place. This also enables large groups of students to interact with each other, as well as within a three-dimensional environment, all in the confinement of their classroom.

This will specifically provide an opportunity for students from remote areas in the country as they will be able to conduct experiments or be part of high-cost labs without having to travel long distances.

The unparalleled access of virtual reality allows it to be able to present complex data in an accessible way, which is both fun and easy to learn. This can be applied to a wide variety of subjects, resulting in a revolution in human anatomy. The student and the teacher can represent at the same virtual environment, while performing their practical experiments, and errors can be corrected in real-time. This process is highly beneficial in the creation of engineering societies, where teams training processes can be improved more accurately. Numerous services took years of practice to achieve perfection.

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