

# The Benefits of Virtual Reality in Education

Hey, it's well worth reading this article if you are a learner or teacher! Here we're going to discuss modern technology in education- Virtual Reality and the benefits it has in the learning environment.



First of all, let's see what is Virtual Reality(VR) Technology.

Virtual Reality (VR) is a computer technology that creates a simulated environment. It generates an artificial computer-generated world and users can experience and interact with that environment. VR is not like traditional user interfaces but VR places the user inside an experience. Users are not just viewing a screen in front of them but users are immersed and able to interact with that exciting 3D world. By simulating as many senses as possible, such as vision, hearing, touch, and even smell, the computer is transformed into a gatekeeper to this artificial world.

What is new in Virtual Reality(VR) Technology?

Immersive and innovative digital tools such as 3D learning environments, virtual reality, augmented reality, and mixed reality facilitate experiential learning that allows students to grasp theoretical concepts faster and in greater depth.

Immersive learning enhances the learning process by adding content that is interactive and engaging, allowing for experimentation, practice, and learning by doing. This greatly appeals to an insatiable curiosity residing in young learners, and due to the possibility of multiple instances

of connecting with key concepts, learners can work at their own pace and to their level of proficiency.



Using VR Tech, any learner understands complex scientific concepts with fun and ease, for example, when a student uses Virtual Reality to understand the “Respiration System in a human body” the student will understand that while breathing, so many gaseous elements go inside the lungs and how the oxygen is filtered from the other elements and how it will bound with RCB. This RCB containing oxygen penetrates the cell membrane and breaks glucose, to produce water and carbon dioxide. During this process, energy is released, which is captured by the ATP molecule. All these explanations are in 3D & 360° which will help the student to remember it easily and then recall whenever required. The example I have discussed here is just a glimpse of our vast VR Content Library.

Virtual Reality is used in education to enhance student engagement with their study. VR creates the real world around us. It can transform the way of education which is provided nowadays. It can be also used in industries, medicine, security, military, Anti-terrorism, Traffic accident awareness, Weather forecasting, etc.

## Why VR and MR technology is preferred in school education?

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Virtual Reality is the next big thing in Education and Training, it will create a new pedagogy to learn scientific theories which were hard to understand.



## Benefits of Virtual Reality in Education

- Increase knowledge area
- Active experience rather than just passive information
- Helps to understand complex concepts, subjects, or theories
- No distractions during the study
- Boosts students creativity
- Expands learner's efficiency to gain knowledge
- Increase Interest in boring subjects like science
- Improve the understanding level of students
- Improve teaching skills in teachers using VR by providing a deep level of knowledge.
- Improving memory power by connecting feelings with education.
- It takes very little time to understand very complex topics.
- Get education as per the book syllabus with its connecting environment and practicals.
- Fun, Virtual tour, and existing game-based education.
- Improve a Student's Imagination power.

**Google Expeditions:** Google Expeditions is a virtual-reality teaching tool that allows you to lead or join immersive virtual trips all over the world. Google Expedition makes it possible for teachers to take their classrooms on virtual reality field trips to amazing places. Teachers and students use mobile devices and VR viewers to explore an art gallery or museum.

**FotonVR:** fotonVR is a tool that brings education to the real world which opens the doors of the modern education system. It's a large-scale virtual reality platform containing a vast VR Content library for future scientists that provides a real experience of learning for Child education, Academic – Schools and colleges, Higher education, Skill studies, etc. With the use of VR technology which provides field trips to do practicals with the use of various tools. We can experience a new and amazing way of learning here rather than traditional education. Start building your child or student's career in the science stream or give him the superpower of understanding every scientific theory ever approached with FotonVR.

[Know more about how fotonVR doing this](#)