

# How EDTech Makes An Impact In Education

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In this generation, technology plays a major role in everyday lives. We now live in an era where people are consumed by technology devices, which is shaping how we communicate. As these technologies evolved, the nature of teaching and learning has become much more collaborative. With these advanced technologies we are stepping into a whole new world of innovation and creativity.

## Ways Technology Impacting Modern Education

- 1. Active engagement** - Technology is interactive, this helps students to become passionate about what they are learning. By using the internet, students can get updates on real time issues and solutions. Allowing children to participate in an active way reduces behavioral issues in class, it gives more dedicated time for teachers to focus on the subject
- 2. Discussion and working group** - By using software tools, students can create online groups and virtual communities that connect them with students and teachers anywhere around the world. Online communities provide a great opportunity for students to discuss their ideas and receive feedback in real time allowing for a more efficient work environment.
- 3. Coaching and Assessment** - As technology continues to evolve, teachers must adapt. Incorporating technology into a classroom setting allows for an enhanced relationship between student and teacher. Teachers can now share lesson plans, lectures, and presentations with ease while students can upload their assignments from their devices. Teachers have become facilitators, providing constant feedback, enabling students to achieve deeper levels of understanding. They ensure that students are not just learning the concept, but also how to apply the knowledge, it develops Critical-thinking and problem solving skills.
- 4. Simulation Software** - Simulation software brings to life, the wonders of our world that would be impossible to see without technology. By using specific simulation tools, students can see planetary movements, how a tornado develops, or how the dinosaurs lived.

The ultimate aim of edtech implementation should be to enhance the quality of education and improve engagement levels among students. It is important to balance the visual content with reading, as well as the interactive elements and games with independent thinking and writing, so that students won't be completely absorbed by all that the internet has to offer.

In the interactive age, teachers have more abilities to turn classes into exciting places for discovery and learning adventures.

## There Are Various Kinds Of Educational Software Which Are Designed To Help Children

- **Edcite** – An app that combines interactive questioning (assignment creation) with automatic grading. It saves time on grading and engages students with interactive questions.
- **Unicheck** – This tool helps to prevent academic plagiarism. When integrated with the LMS, it optimizes the workflow by automatically checking student submissions.
- **Discovery Education** – Learning via HD-quality videos, documentaries and 3D tours can improve engagement and information retention among students.
- **Math Cracker** – It offers a wide variety of resources to help students with their math homework. These include tutorials, online solvers, calculators, lessons and more.
- **Blink Learning** – Allows teachers to create personalized, customized courses with a minimal amount of work. The software enables a teacher to take content and create his or her own course easily. Teachers can be creative not only through developing their own course but also by refining the course as they teach it. The platform design allows teachers to get immediate feedback from students and then easily change the content.

Many in the ed-tech field see new technologies as powerful tools to help schools meet the needs of ever-more-diverse student populations. The idea is that digital devices, software, and learning platforms offer a once-unimaginable array of options for tailoring education to each individual student's academic strengths and weaknesses, interests and motivations, personal preferences, and optimal pace of learning.

**Increasing Accessibility and Flexibility:** Technology has changed education. Information is more accessible now than ever before. We now have fully-fledged universities that thrive by offering all their courses online, it is now easy for anyone to access a desired educational course online. Technology has brought people together by breaking the geographical barriers that limited access to education in the past.

Students can learn at their own pace, depending on their ability and the amount of time. Learning materials are delivered to students online, students can schedule their learning timetables as they wish.

**Special Needs In Education:** For years, special needs has been an important issue in education. Traditional classroom environments may fail to address the individual needs of some students. Digital learning provides a highly flexible, interactive and accessible nature for individuals to learn in ways that suit their personal needs, capabilities or even challenges. More so, teachers can now use various technology applications to help students with particular needs learn better.

**Making Learning Fun Again:** Technology has changed education in the ways which learning content is now delivered. Teachers can now use videos, animations, and e-books to enhance the process of learning. It's common for students and teachers to use games as a way of making the process more interactive. As a result, learning and teaching are now more effective and meaningful than ever.

**Interaction between teachers and students:** Nowadays, the absolute dependence on physical meetings is gone. It is easy for teachers and students to stay in touch via email and other internet-based services such as file-sharing and messaging.

**Online Tests And Assessments:** It is now possible for institutions to test their students online. Students can now use e-assessments to accurately evaluate their performance as well as their professors. Similarly, education institutions can efficiently assess their students using online assessments, saving time and resources.

**Differentiated Instruction:** The technology in education also provides a means to focus on active student participation and also to present different strategies of questioning. It also promotes plans of personalized learning and broadens individualized instructions.

The use of internet in education has made a great impact on the educators and students in the whole education system. Internet itself has unlocked a world of opportunities for students.

**Improved Student Writing:** It is also suitable for students to change their written work on word processor which also helps in improving the quality of their writing. According to various studies, students are better at editing and critiquing written work when it is done on a computer.

In conclusion, technology has changed education in many ways. From making education more accessible and meaningful, to enhancing the manner in which teachers and students interact during the process of learning. Technology has had many profound and positive effects on education as a whole.

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