



The Growing Importance of Technology in Education

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Abstract

Many people prefer to use traditional methods of teaching, but when technology is used in the classroom, there are so many different things that can happen. There are now a lot more options for people who want to go to school, like different learning styles and different types of degrees. There is a lot of value in technology in education, even if you aren't a student or a person who works in education.

Key Words: Importance, Technology, Education, Digital, Modern etc.

Introduction

Educational technology is the use of high-tech tools, like “software and hardware that allow for modern teaching methods”. This way, students and teachers have access to a lot of digital and educational resources that help them work together and make it easier for students to learn what they're learning. This new way of teaching has changed everything from elementary school to college. Students' needs and habits play a big role in how well they learn. Because “they use social media, the Internet, and video games” every day, kids expect the same thing to happen at school. It should be colourful and fun, and it should keep their attention and not be full of redundant information, which is one of the main flaws of the traditional way of teaching. Even though school and video games aren't the same thing, it's good to know what things can keep students interested and help them learn what they're being taught.

Easier teacher-student communication and cooperation

It has been thought for a long time that traditional lecturing, where students just listen to the teacher, is the best way to teach. A lot of things have changed in the last few years, and teachers were able to take advantage of modern tools. When it comes to teachers, the value of technology in education is a big deal to them is “clear:

- Easier communication with students
- Records of students and their progress are digitized
- Testing can be done using different apps for students
- Teachers are better informed which positively affects the quality of teaching
- Possibility of creating engaging, multimedia-assisted lectures
- More effective, and time-efficient work in the classroom



- More time and opportunities for professional development

All these things improve teacher-student cooperation and aim to provide students with the best possible education.”

Technology has permanently changed our approach to education

It is important to use technology in all stages of education, but the “junior grades of elementary and high school” are the places where it is most noticeable. In this time, children are preparing for important challenges that they will face in the next stage of their education, so it is important that they learn in the right way. Children can now spend more time on their own personal development because many things have become easier.

Information has never been so accessible

“Students used to spend a lot of time looking for information in the past”, until now, they had to. Today, the way people look for information has changed. Almost everything can be found on the Internet now. Students can use Google or another search engine instead of going to the library to find what they need. People can now learn in a way that turns the classroom into an online environment that has information in all kinds of different ways.

So, students have a better understanding of what they're learning, which helps them learn better in line with 21st century skills. This more advanced method is based on things like fast Internet, stable Wi-Fi, and a laptop. This is how it works: (tablet or mobile phone). Many schools spend a lot of time and money to make sure each of their students has a computer, but not all of them.

Online education

The way people communicate now has made it easier to learn from home or do online learning. Distant education lets students come even if their teacher is on another continent and they can't come to class. There are a lot of ways for people to go to schools that may be in another part of the world through online education. They can work and study at the same time, too. When it comes to technology in education, many schools have come to see how important it is for students to go to class, take tests and work on projects at times that work for them. So more people can get good education this way, so more people can get a good education.

Improved development of student critical thinking

In the field of education, technology has a big role. This is especially true when it comes to developing critical thinking skills. Different ways of teaching students allow them to express themselves in unique ways, which leads to different solutions. “In that process, they” think



about each piece of information they have available in order to get to their goal. When textbooks and notebooks were used, they took up a lot of space. Tablets, videos, animations, the Internet, audio recordings, collages, and more now fill that space. Because they can talk about things that are “familiar and relatable to them, even shy students or those” who have trouble working together can shine and get better grades.

Educational Technology Challenges

Even though “these past presidents were able to get legislation passed, there are still” a lot of problems with technology being used in schools (Brinkerhoff, 2006). In order for something to happen, it needs to be done. In schools, there are still many students who can't use the internet. The money that school districts and states have to spend makes it even more difficult to use technology. People in different parts of the country pay different prices, have different infrastructure, and use different kinds of technology in their schools. It's mostly labs where classes can set up times for students to use them, “or some schools have three to four desktop computers for classroom and teacher use” on a desk. If you live in one of these school districts, you might be able to get “1:1 technology experiences” for your kids, but not everyone can. In some school districts, it will be a long time before all of the classrooms have 1:1 tech.

Limitations of Technology in Education

- People are worried about how easy it is for people to get pornographic, violent, and other kinds of bad things to be found and seen when they use technology.
- When people are always looking at their phones, it can be bad for them. This is causing a new set of problems to arise in the social world.
- Cyber bullying trap: Giving students access to anonymous accounts and a tonne of ways to get in touch with them can only lead to trouble. There is a lot of cyber bullying among young people today. In this case, there is no end in sight. There is no way to keep an eye on or discipline students who do it.
- Easy access to information can be a good thing, but it can be a bad thing when you're taking a test. Cell phones have made it easier than ever to cheat.
- People are less attentive when they have their phones or other technology out in the classroom. From their teacher and education to what they are doing on their phones.

Conclusion



In the classroom, technology has a huge impact, and it's having more of an impact. However, it is important to use technology in education in the right way, because there should still be a lot of traditional ways of teaching. “In addition, the computer” can't be used in every situation, and learning with it isn't always faster. So, teachers have to find a balance between teaching for the future and teaching the old-fashioned way, which is still very important. As time goes on, technology's role in the world of education is going to change even more than it did before. In the last few years, technology has become a new thing that can “motivate, differentiate, and help students achieve and excel in ways they haven't been able to before.” When used correctly, the computer and technology have the power to "invoke a dream in the minds of visionary educators who saw endless possibilities for changing traditional ideas about teaching and learning."

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