

The Role Of Technology In Education

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Abstract. *The implementation of technology into education has brought both new methods and new technology that facilitate education in a modern way. New scientific methods include using e-learning Software's or showing videos to the students which help them understand the topics because of the use of animation and interactive content which makes the students concentrate on the subject because of the engaging and attractive videos or slides.*

Keywords: Benefits of the use of technologies in education, attention to innovative technologies in Uzbekistan, low degree of the use of technologies in classrooms, technological education.

Introduction

The importance of technology in education is undoubtedly the ability to reach more students more efficiently. After all, technology is all around us and only continues to expand in its many uses!

Although many people like to rely on traditional methods of teaching, the possibilities that open when technology is brought into the classroom are endless. For one, access to education has been significantly broadened as a result, including a wide range of learning styles and degree options. Even if you are not a student or an education professional, it is crucial to note the importance of technology in education.

To really utilize these tools, teachers should ask themselves why students want technology in the classroom, not just why they need it. It can definitely help education professionals in the monitoring of individual development and innovative lesson planning. But the students who learn through technology can create a set of skills that will help them throughout their own future careers.

Main part

Why Do Students Need Technology in the Classroom?

1. It simplifies access to educational resources
2. It improves the learning experience
3. Students can learn at their own pace
4. It helps students prepare for their future careers

More importantly, in our country – in Uzbekistan it is paid a great deal of attention to the use of modern technologies in education. Under the umbrella of the Government of Uzbekistan's National Program for Basic Education Development for 2004-2009 - an ambitious effort to improve the quality of education - the 5-year project has, since 2006, been integrating information and communications technology (ICT) in teaching and learning. ADB provided US\$30 million in financing toward the US\$43 million cost of the project.

As part of the project, the government deployed internet and intranet connectivity to improve learning in subjects that are seen as particularly important in grades five through nine. Before the project began, in 2004, only 14% of Uzbek secondary school students had access to modern computer classes.

Although technology is finally being integrated into education, its use for teaching and learning still remains a challenge. Despite the fact that many schools today are privileged to have ready access to technology, trained teachers, and a favourable policy environment, the use of technology in the classroom is still low. Some attribute low levels of technology use in education to the pedagogical beliefs of teachers.

With that said, the potential of technology to enhance learning cannot be overemphasized. The use of technology is something that started a long time ago for students with special needs. For example, brail machines have been utilized for the visually impaired. In addition, special needs programs that help children with autism use technology to enhance learning. By integrating technology into education, educators aim to engender pedagogical change and address

fundamental issues that affect learners with special needs. Technology can therefore be seen as both a tool and a catalyst for change.

Today, technologies used to improve and facilitate learning can be found everywhere. Leaving other contextual factors to the side – such as unequal access to technological innovations and connected technologies across schools and districts – we can only say that we have embraced technology in education when it is used for both teaching and learning. With the incorporation of technology into schools, the main purpose is to change how teachers and students gather, access, analyse, present and transmit information. This can democratize information in classrooms as well as help differentiate instruction, particularly for students with special needs.

Another significant thing to mention in this article is educational technology. So, what is educational technology? A systematic approach to the processes and resources of teaching, educational technology, or EdTech, utilizes technology to improve the performance of students. It identifies the needs of individuals, adapting technology to classroom instruction and in the tracking of student development.

Conclusion

In conclusion, we can say that technologies require teachers to accurately reveal the needs of students in order to determine the relevant technology to apply to the curriculum and to track the results to determine the effectiveness of the measures. Educational technology is a fairly new field in the education sector, and not all teachers are ready to start implementing such technologically-driven plans.

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