BENEFITS OF USING TECHNOLOGY IN EDUCATION

Bakhronova M.A., *teacher of BSPI*
Doniyorova Nigora, Vohidova Mehrangi
students of BSPI

Abstract: This paper gives information about using technology in education during the lessons. Research has shown that integrating technology into the education system can have numerous benefits for both students and teachers. It aims to ensure inclusive and equitable quality education for all. Digital technologies have emerged as an essential tool to achieve this goal. These technologies are simple to detect emissions sources, prevent additional damage through improved energy efficiency and lower-carbon alternatives to fossil fuels, and even remove surplus greenhouse gases from the environment.

Key words: Enhanced learning, barriers of technology, educational resources, digital world, comprehensive, utilizing technology, respondents.

Introduction

Technology in education refers to the use of various technological tools and resources to enhance teaching and learning experiences. This can include the use of computers, tablets, smartphones, interactive whiteboards, educational software, online platforms, and other digital resources. Technology in education has become increasingly prevalent in classrooms around the world, as it offers numerous benefits and opportunities for both students and teachers. It can transform traditional teaching methods and create more engaging, interactive, and personalized learning environments. By integrating technology into education, students can learn at their own pace, receive immediate feedback, and access a wide range of educational resources. This can lead to improved academic outcomes, increased student engagement, enhanced understanding and retention of information, improved problem-solving skills, and the development of teamwork and social skills. Furthermore, technology in education provides professional development opportunities for teachers, allowing them to enhance their instructional practices and keep up with the latest educational trends. It also promotes equal access to education by bridging the gap between privileged and underprivileged students.In addition to these benefits, technology in education prepares students for the digital world they will encounter in their future careers. It equips them with essential digital skills and

literacy, as well as the ability to critically evaluate information and navigate digital platforms.

Literature review

"Education is evolving due to the impact of the Internet. We cannot teach our students in the same manner in which we were taught. Change is necessary to engage students, not in the curriculum we are responsible for teaching, but in school. Period." – April Chamberlain.

This quote by April Chamberlain highlights the need for change in education to adapt to the evolving digital landscape. Technology has become an integral part of our daily lives, and it is crucial for education to keep up with these changes in order to provide students with the skills they need for the future.The internet has opened up a world of information and resources that can greatly enhance the learning experience. Instead of relying solely on textbooks and lectures, students can now access a wealth of information online, allowing them to explore topics in greater depth and from multiple perspectives. Technology also allows for more personalized learning experiences. With the use of educational software and online platforms, students can work at their own pace and receive immediate feedback on their progress. This individualized approach to learning can help students better understand and retain information, as well as build their problem-solving skills. Furthermore, technology in education promotes collaboration and communication among students. Online platforms and tools enable students to work together on projects, share ideas, and provide feedback to one another. This not only enhances their teamwork and social skills but also prepares them for the collaborative nature of many careers. For teachers, technology provides opportunities for professional development and growth. They can access online resources, attend webinars and conferences, and connect with other educators from around the world. This continuous learning helps teachers stay up-to-date with the latest educational trends and strategies, ultimately benefiting their students. However, it is important to note that while technology in education offers numerous benefits, it is not a substitute for effective teaching practices. Teachers still play a vital role in guiding and facilitating student learning, even in a technology-rich environment. It is essential for educators to strike a balance between utilizing technology and implementing effective pedagogical strategies.

Theoretical Framework

Technology in education is extremely important today. For one, technology has influenced the practical side of learning. It enabled distance learning, increased the

availability of information, provided numerous applications and software that help not only students to organize their time and acquire new knowledge more easily, but also professors to adapt and improve their teaching methods.

"Education is the most powerful weapon that we can use to change the world." – Nelson Mandela. This quote by Nelson Mandela emphasizes the transformative power of education. Education has the ability to shape individuals, societies, and ultimately, the world. It is through education that individuals gain knowledge, skills, and perspectives that enable them to make positive changes and contribute to the betterment of society. Education empowers individuals to think critically, question the status quo, and challenge existing norms. It fosters creativity, innovation, and problem-solving abilities, which are essential for addressing the complex challenges of the modern world. Education equips individuals with the tools they need to navigate through life, make informed decisions, and pursue their goals and aspirations.

"We need technology in every classroom and in every student and teacher's hand, because it is the pen and paper of our time, and it is the lens through which we experience much of our world." – David Warlick. I completely agree with this quote by David Warlick. In today's digital age, technology plays a crucial role in education. It has become an essential tool for both students and teachers, transforming the way we learn and experience the world.

Firstly, technology in the classroom allows for more interactive and engaging learning experiences. With the use of multimedia resources such as videos, simulations, and online platforms, students can visualize complex concepts and engage with the material in a more dynamic way. This not only enhances their understanding but also makes learning more enjoyable and memorable. Moreover, technology provides access to a vast amount of information and resources. Through the internet, students can conduct research, access scholarly articles, and explore different perspectives on a given topic. This allows for a more comprehensive understanding of the subject matter and encourages critical thinking and independent learning.

Methodology

The participants

The total number of 40 pupils were selected so as to practice in the present study. All participants were the pupils of the higher school who were at the 10th grade. In order to identify the reasons why they use technology during the lessons some survey questions were distributed. The survey included 3 questions based on

the benefits of technology in education. Pupils wrote answers according to their desire. Survey questions were about usefulness and difficulties while using electric tools. Moreover, the effect of this for their future career and learning second language easily.

The data

As information, we should note that the conducted survey shows that pupils' aspiration for using technology is evaluated based on various reasons. Through the different answers, we can know that the benefit of using technology determines the social role of them in education in the feature. Participants mentioned their difficulties and shortness of connection and lack of professional experts .

Data analysis

40 pupils (20 girls, 20 boys) who participated in the survey answered a total of 5 questions. Their answers are different according to their thinking wat and desire. The collected data were divided into different groups in terms of content and analyzed. The results were shown and their amount was calculated in percentages.

Results

Responses

The data we collected related to the survey method portrait that 40 responses were received. Many students indicated the desire to use technology in education. In addition, we shall explain other reasons which shows lower and higher percentages based on survey.

According to analytical results, we can learn that 28 people which means 70% think that using technology increased students engagement while enhancing learning experiences answer shows 30%.Increased student engagement is indeed one of the main benefits of using technology in education, as reported by participants. Technology offers various tools and platforms that can make learning more interactive, immersive, and personalized for students. It can provide multimedia content, simulations, games, and virtual reality experiences, which can capture students' attention and make the learning process more enjoyable. Additionally, technology allows for collaborative learning, communication, and feedback, enabling students to actively participate in discussions and projects. These factors contribute to increased student engagement, motivation, and ultimately, better learning outcomes. When it comes to next step, 20% of participants recognize that there are difficulties in finding appropriate and quality digital content when using technology, which includes 8 respondents. And others barriers to effectively

integrating technology in education is lack of access to technology devises and internet connectivity and this show 80% .

So , the integration of technology in education has the potential to revolutionize teaching and learning, providing numerous benefits for both students and teachers.

Discussion and conclusion

In conclusion, technology in education has the potential to revolutionize teaching and learning. It offers numerous advantages for both students and teachers, including personalized learning experiences, improved academic outcomes, enhanced problem-solving skills, and preparation for the digital world. It is crucial for educators to embrace and effectively integrate technology into their classrooms to maximize its potential benefits and provide students with the skills they need to succeed in the 21st century. Education is not just a means to acquire knowledge and skills; it is a catalyst for change and progress. It empowers individuals to shape their own lives and contribute to the development of their communities and the world at large. By investing in education and ensuring its accessibility and quality for all, we can create a brighter future for generations to co

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