

49. THE IMPACT OF INFORMATION TECHNOLOGY ON TRADITIONAL EDUCATION

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This paper examines the benefits and drawbacks of information technology on traditional education. The recommendations on how to use IT to minimize the risk of negative consequences are provided.

Today information technologies have penetrated so deeply into our lives, that society cannot abandon them. The information revolution has affected almost all areas of human life, including work, study and daily activities. Education has gone through significant transformations, which have led to both positive and negative consequences. The traditional learning methods were based on educational institutions, teachers and printed literature, but not everyone had access to the necessary resources for learning and development. Advanced technologies have made it possible and the education process has become more efficient and accessible.

The main benefit of IT in education is individual learning. Educational software, tutors and neural networks can give personal training instructions, based on your goals and desired results. This feature allows you to study at convenient time, at suitable pace, without leaving home. Individual learning helps to enhance concentration, increase independence and responsibility. Contemporary methods of distance education include online courses, webinars, educational software and applications. Teaching methods have also been changed. The emergence of technologies has become a basic tool in education for visualizing information. It leads to the collaboration between students and teachers as well as online assessment of students [1].

But, while technologies offer numerous benefits for education, its integration can present some challenges and negative effects. One of the ways, the technologies affect education is a digital divide. The digital divide widens, when some students lack access to essential devices and Internet connection. Another drawback of technologies influences the learning is over-reliance and screen time concerns. The first one hinders critical thinking, problem solving skills, and it can cause nomophobia and other disorders of the nervous system. The second factor can contribute to the weakening of vision, concentration and well-being in general. Also, excessive use of gadgets leads to social isolation, complete immersion in the virtual world.

One of the most dangerous impacts of IT include cybersecurity risks. The increased use of online platforms exposes educational institutions to potential threats, which can lead to data loss, damage to your device or even the use of your data for illegal purposes [1].

In order to turn IT into the highly efficient tool for education and eliminate the negative impact of gadgets on mental and physical health as well as material well-being, it is necessary to know the basic rules of information hygiene and information literacy. The key idea of information hygiene is to develop a healthy self-concept and conscious, more balanced relationship with your devices. You need to do an assessment to find out how much time you spend in front of the screen. For conscious use of IT, you also need to set gadget-free zones.

Information literacy skills will allow you to correctly evaluate information and determine the reliability of various sources. Maintaining the security of your data is also very important and can be achieved by creating strong passwords, without spreading personal information and using a reliable Internet connection.

In conclusion, it can be said, that the impact of IT on traditional education is highly beneficial. It has the potential to greatly enhance the learning process, making it more interesting and diverse. However, it is important to prioritize information hygiene and information literacy to ensure responsible technology use. By integrating these principles, students can develop healthy habits, critical thinking skills and navigate the digital landscape effectively.

References:

1. *What is the impact of technology on the traditional education system? [Electronic resource]. - Mode of access: <https://www.quora.com/What-is-the-impact-of-technology-on-the-traditional-education-system#:~:text=On%20one%20hand%2C%20technology%20has,and%20on%20their%20own%20schedule.> - Data of access: 07.03.2024.*