

вимагає потужних інновацій, всебічної активності та творчої продуктивності громадян. І саме освіта повинна це забезпечувати.

Список джерел:

1. Hinkel E. What are essential soft skills for the teachers. URL: <https://merithub.com/article/what-are-essential-soft-skills-for-the-teachers-c7fgqchnuv7vk25bbp0> (last accessed: 10.04.2024).
2. Manifesto for the future of education: Expanding human potential amidst accelerating change. Thought Leadership Institute, 2022. URL: https://thoughtleadership.org/wp-content/uploads/2022/10/TLI_FutureofEducation_Manifesto.pdf (last accessed: 10.04.2024).
3. Sanders C. Essential soft skills for teachers (and how to improve them). URL: <https://www.indeed.com/career-advice/career-development/teacher-soft-skills> (last accessed: 10.04.2024).

Haborets Olha, Lunhol Olha
Donetsk State University of Internal Affairs

ANALYSIS OF THE IMPACT OF INFORMATION TECHNOLOGIES ON THE DEVELOPMENT OF CREATIVITY AND INNOVATIVE THINKING IN STEAM-EDUCATION

Contemporary society is characterized by rapid advancements in information technology and constant shifts in the technological paradigm. This process is accompanied by the necessity to adapt educational systems to modern demands, notably through the integration of information technologies into the educational process. However, an additional complexity arises with the implementation of these technologies in the context of STEAM-education – a methodology that combines scientific, technical, engineering, artistic, and mathematical aspects to develop comprehensive skills and foster creative thinking among higher education students.

The increasing importance of integrating information technologies into STEAM-education stems from the need to prepare qualified professionals capable of adapting to rapidly changing technological environments and addressing complex tasks while considering interdisciplinary requirements. The integration of information technologies into STEAM-education creates unique opportunities for fostering creativity and innovative thinking among students, which are key competencies in the modern world.

When considering this educational approach, it is essential to take into account not only the technical aspects but also the potential benefits for society as a whole. The growing importance of integrating information technologies into STEAM-education arises from the need to train qualified

professionals capable of effectively working in rapidly changing technological environments and solving complex interdisciplinary tasks.

However, the implementation of information technologies in STEAM-education presents its own challenges. Firstly, one of the main challenges is the development and adaptation of educational programs to meet modern requirements. As technologies rapidly evolve, educational programs must constantly be updated to align with current standards and the needs of the job market. This may require significant efforts from educational teams and instructors to adapt materials and teaching methods to the latest information technologies.

Secondly, integrating information technologies into STEAM-education requires specially trained teaching staff. Educators and trainers must have sufficient knowledge and skills in the use of modern technologies to effectively incorporate them into the educational process. This may necessitate additional training, professional development courses, and support from education management.

The third challenge is creating a conducive environment for learning and creativity. Information technologies must be accessible to all students and should be integrated into various aspects of the educational process. Ensuring the necessary infrastructure, access to software and equipment, as well as support for the individual development of each student, are crucial aspects of the successful integration of information technologies into STEAM-education.

Overall, addressing these challenges requires collaborative efforts from all participants in the educational process - from teachers and administration to higher education students and their parents. Only through cooperation and interaction can successful integration of information technologies into STEAM-education be achieved, ensuring quality preparation of future professionals.

Therefore, the integration of information technologies into STEAM-education is an important direction in the development of modern education, aimed at shaping flexible, competent, and adaptive professionals ready to meet the challenges of the present and ensure sustainable societal development.

Величко Яна

Харківський національний автомобільно-дорожній університет

ВПЛИВ ЕЛЕКТРОННОГО НАВЧАННЯ НА ФОРМУВАННЯ SOFT SKILLS В УМОВАХ ДИСТАНЦІЙНОЇ ОСВІТИ

В епоху цифровізації та глобалізації освіти важливість soft skills, або так званих «м'яких навичок», набуває нового звучання. М'які