

BENEFITS OF USING TECHNOLOGY IN MODERN CLASSROOM**Anvarova Behruzakhon Shukhratjon kizi**

First year student of English language and literature faculty, Fergana State University .

anvarovabexruzaxon@gmail.com**Turdimatova Madinakhon Ravshanbek kizi**

EFL teacher, Fergana State University

19950908tm@gmail.com

Abstract: The integration of technology into classroom instruction enhances learner engagement and promotes active, interactive knowledge acquisition. Furthermore, digital tools support educators by improving instructional clarity, optimizing lesson organization, and enabling differentiated teaching to meet diverse learning needs.

Keywords: Educational technology, digital learning, technology integration, modern classroom, adaptive learning, learning management systems (LMS)

Annotatsiya. Texnologiyani sinf mashg'ulotlariga integratsiya qilish o'quvchilarning o'qishga bo'lgan qiziqishini oshiradi hamda bilimlarni faol va interaktiv tarzda egallashni rag'batlantiradi. Shuningdek, raqamli vositalar o'qituvchilarga darsni yanada aniq tushuntirish, mashg'ulotlarni samarali tashkil etish va turli o'quvchilarning ehtiyojlarini hisobga olgan holda taqalashdirilgan ta'limni amalga oshirishda yordam beradi.

Kalit so'zlar: Ta'lim texnologiyalari, raqamli ta'lim, texnologiyalarni integratsiyalash, zamonaviy sinfxona, moslashuvchan (adaptiv) ta'lim, ta'limni boshqarish tizimlari (LMS).

Educational technology is an inclusive term that refers to both the tools and processes used to support learning and teaching, as well as the theoretical foundations behind them. It is not limited to modern digital systems; instead, it encompasses any resource or method that improves instructional delivery, whether through blended learning, traditional face-to-face teaching, or online environments.¹ A classroom, schoolroom or lecture room is learning space in which both children and adults learn. Classrooms are found in educational institutions of all kinds, ranging from preschools to universities, and may also be found in other places where education or training is provided, such as corporations and religious and humanitarian organizations. The classroom provides a space where learning can take place uninterrupted by outside distractions. The integration of technology into modern classrooms significantly enhances the quality and efficiency of the teaching-learning process. Digital tools such as interactive whiteboards, learning management systems, and multimedia platforms support differentiated instruction by accommodating diverse learning styles and cognitive abilities. Technology also promotes learner autonomy by enabling students to access instructional materials anytime and engage in self-paced learning environments. Furthermore, data-driven software allows teachers to monitor academic progress in real time and apply evidence-based interventions tailored to

¹ Herold, Benjamin (5 February 2016). "Technology in Education: An Overview". *Education Week*. Archived from the original on 1 November 2016. Retrieved 31 October 2016.

individual needs. The incorporation of technology fosters higher levels of student motivation, increases engagement through multimodal content, and encourages collaborative learning via online discussion forums and shared digital workspaces. Overall, technological integration contributes to the development of 21st-century competencies—critical thinking, problem-solving, digital literacy, and communication—thereby improving educational outcomes and preparing learners for technology-dependent professional contexts. The use of technology in contemporary educational settings has transformed traditional pedagogical practices by introducing innovative methods that significantly enhance learning effectiveness. Digital technologies enable teachers to design interactive, learner-centered lessons that promote deeper understanding and long-term retention of knowledge. Through platforms such as virtual laboratories, simulations, and adaptive learning systems, students are able to engage with complex concepts in a dynamic and personalized manner. Technology also facilitates immediate feedback mechanisms, allowing both teachers and learners to identify misconceptions early and adjust instructional strategies accordingly. Moreover, the integration of digital tools encourages collaborative learning through shared documents, online forums, and cloud-based environments, thereby improving students' communication and teamwork skills. In addition, modern technologies prepare learners for a rapidly developing digital society by strengthening their technological literacy, problem-solving abilities, and analytical thinking. Overall, the incorporation of technology in the modern classroom enhances academic performance, supports inclusive education, and contributes to the development of globally competitive learners. The integration of digital technologies into modern educational environments has fundamentally reshaped teaching and learning processes, providing more effective, flexible, and inclusive instructional opportunities. Technology enhances instructional delivery by enabling multimodal presentations that combine text, audio, video, and interactive simulations, which significantly improve students' comprehension and cognitive engagement. Advanced educational tools such as learning management systems (LMS), intelligent tutoring systems, and digital assessment platforms allow teachers to monitor learners' progress in real time, identify knowledge gaps, and implement data-driven interventions. Furthermore, technology supports differentiated instruction by providing adaptive learning pathways tailored to individual students' abilities and learning styles. Digital platforms also foster collaborative learning by enabling students to participate in shared documents, virtual discussions, and peer-review activities, thereby strengthening communication and teamwork skills essential for the 21st century.² In addition, online resources expand access to global information networks, supporting inquiry-based learning and promoting digital literacy, which is increasingly recognized as a core competence in knowledge-based societies. Research consistently demonstrates that the strategic use of technology enhances academic achievement, increases motivation, and supports inclusive education by meeting the needs of diverse learners, including those with disabilities.

References:

1. Clark, R. C., & Mayer, R. E. *E-learning and the science of instruction: Proven guidelines for consumers and designers of multimedia learning* (4th ed.). Wiley.(2016)
2. Hattie, J. *Visible learning: A synthesis of over 800 meta-analyses relating to achievement*. Routledge.(2009)

² Richards, J. C., & Rodgers, T. S. *Approaches and Methods in Language Teaching*. Cambridge University Press.(2014)

3. Means, B., Toyama, Y., Murphy, R., Bakia, M., & Jones, K. *Evaluation of evidence-based practices in online learning: A meta-analysis and review of online learning studies*. U.S. Department of Education.(2010)
4. Tamim, R. M., Bernard, R. M., Borokhovski, E., Abrami, P. C., & Schmid, R. F. What forty years of research says about the impact of technology on learning: A second-order meta-analysis. *Review of Educational Research*, 81(1), 4–28.(2011)
5. UNESCO. *Technology in education: A tool on whose terms?* UNESCO Publishing.(2023)