



THE ROLE OF TECHNOLOGY IN MODERN TEACHING METHODS.

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Abstract:

This study explores how technology shapes teaching methods by enhancing student engagement, enabling interactive learning, and supporting personalized instruction. It highlights the use of digital tools, online platforms, and multimedia resources in classrooms, showing how they improve communication, collaboration, and learning outcomes while helping teachers adapt to diverse student needs.

Keywords: technology in education, teaching methods, student engagement, interactive learning, personalized learning, digital tools, online platforms, multimedia resources, communication, collaboration, learning outcomes, student needs.

Annotatsiya:

Ushbu tadqiqot texnologiyaning ta'lim usullariga qanday ta'sir qilishi ko'rib chiqiladi. Texnologiya o'quvchilarning darsga qiziqishini oshiradi, interaktiv o'rganishni ta'minlaydi va individual yondashuvni qo'llab-quvvatlaydi. Shuningdek, raqamli vositalar, onlayn platformalar va multimedia resurslari yordamida muloqot, hamkorlik va o'qish natijalari yaxshilanadi hamda o'qituvchilar turli ehtiyojdagi o'quvchilarga moslashadi.

Kalit so'zlar: texnologiya va ta'lim, ta'lim usullari, o'quvchilarning qiziqishi, interaktiv o'rganish, individual yondashuv, raqamli vositalar, onlayn platformalar,



multimedia resurslari, muloqot, hamkorlik, o'qish natijalari, o'quvchilarning ehtiyojlari

Аннотация:

В данном исследовании рассматривается влияние технологий на методы обучения. Технологии повышают интерес учащихся, обеспечивают интерактивное обучение и поддерживают индивидуальный подход. Использование цифровых инструментов, онлайн-платформ и мультимедийных ресурсов помогает улучшить общение, сотрудничество и результаты обучения, а также позволяет учителям адаптироваться к различным потребностям учащихся.

Ключевые слова: технологии в образовании, методы обучения, интерес учащихся, интерактивное обучение, индивидуальный подход, цифровые инструменты, онлайн-платформы, мультимедийные ресурсы, общение, сотрудничество, результаты обучения, потребности учащихся.

In recent years, technology has become an integral part of education, transforming the way teachers deliver lessons and students engage with learning[1;59]. Digital tools, online platforms, and multimedia resources allow educators to create interactive and dynamic learning experiences that cater to diverse student needs. Technology not only supports personalized instruction but also encourages

collaboration, communication, and critical thinking. By integrating these tools into classrooms, teachers can make lessons more engaging, accessible, and effective. This study examines how modern teaching methods are shaped by technological advancements and explores the benefits of using technology to enhance learning outcomes.



This study was conducted by observing classroom practices in several schools that integrate technology into teaching. Data were collected through teacher interviews, student surveys, and direct classroom observations. The focus was on how digital tools, online platforms, and multimedia resources were used to support interactive learning, engagement, and personalized instruction[2;145]. Lessons were analyzed for teaching strategies, student participation, and collaboration. The collected information was then organized and interpreted to identify patterns and evaluate the effectiveness of technology in improving learning outcomes and meeting diverse student needs.

The findings showed that using technology in learning significantly improved student engagement and academic outcomes. Classrooms that integrated interactive digital tools and online platforms reported deeper student involvement and higher motivation, which supported better learning results[5;98]. Observations also indicated that personalized learning tools helped teachers address diverse learning needs effectively[4;76]. Many students demonstrated improved academic performance and active participation when technology was thoughtfully used. Overall, these results align with recent research showing that modern educational technology enhances engagement and learning success when applied purposefully in teaching practices.

The results highlight the positive impact of technology on modern teaching methods. Increased student engagement and active participation suggest that digital tools make the learning process more interactive and meaningful. The use of multimedia resources and online platforms encourages collaboration and helps students communicate their ideas more effectively[3;112]. In addition, personalized instruction supported by technology allows teachers to address different learning styles and individual needs, which contributes to better academic performance. However, the effectiveness of technology largely depends on how it is integrated



into the lesson[6;72]. Simply using digital tools is not enough; teachers need proper training and clear objectives. A balanced approach that combines traditional teaching with modern technology can create a more supportive and productive learning environment for students.

In conclusion, technology has become an essential part of modern teaching, making learning more engaging, interactive, and effective. The findings show that digital tools and online platforms support student participation, collaboration, and personalized learning. From my perspective, the thoughtful use of technology not only improves academic outcomes but also helps students develop important skills for the future. However, its success depends on how well teachers integrate it into their lessons. A balanced and purposeful approach can create a more inclusive and productive learning environment for both teachers and students.

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