Innovations In Modern Education And Their Importance For Students

Yigitaliyeva Muxlisabonu Ilxomjon qizi

Student,Tashkent State Pedagogical University, Uzbekistan

Mo`minova Maftuna Alijanovna

Teacher of the Faculty of Foreign Languages   Tashkent State Pedagogical University

Uzbekistan

Annotation: This article describes the Modern education is undergoing significant changes and developments on a global scale. The rapid advancement of science and technology is driving the emergence of new directions and methods in education. These innovations play a crucial role in enhancing students' interest in the educational process, fostering a deeper understanding of knowledge, and helping them become successful individuals in the future. Today, several innovative approaches are being implemented in areas such as digital technology, personalized learning, and social-emotional education.

Key words: digital technologies, online education, individual approach, STEAM education, gamification, artifitial intelligence and robotics in education, social and emotional learning.

INTRODUCTION

Digital Technology and Online Learning.The rapid development of digital technology has made education more convenient and accessible globally. Today, many students are learning through online courses, video lessons, and virtual labs. These opportunities allow students to organize their time independently, access knowledge at any time, and utilize educational resources from around the world. Distance learning is not only effective in continuing education during challenging times but also enables connection with leading universities and scientific centers worldwide.

Personalized Approach and Adaptive Learning.Each student develops differently based on their abilities and interests, which is why the personalized approach in education is becoming increasingly popular. In modern education, adaptive learning systems allow for the creation of tailored study plans that match students' needs. For example, platforms based on artificial intelligence analyze students' knowledge levels and suggest individualized study plans. This allows students to learn in a way that aligns with their abilities and interests.

STEAM Education.STEAM (Science, Technology, Engineering, Art, Mathematics) education is one of the most relevant fields today, aimed at developing students' scientific and creative skills. STEAM education helps students enhance their problem-solving abilities through hands-on experiences. They learn teamwork, creative thinking, and innovative solutions through scientific experiments and engineering projects. This field not only increases interest in science but also in art and creative activities.

Gamification.The use of gaming methods plays an important role in making the educational process engaging and effective. Through gamification, students can acquire knowledge through games, which enhances learning outcomes. With the help of specialized games, quests, and competitions, students can quickly and effectively absorb information. In this process, they are motivated to assess their progress and strive for further development.

Artificial Intelligence and Robotics in Education.The introduction of artificial intelligence (AI) and robotics classes has brought a new approach to the educational process. AI-based systems enable monitoring of students' interests and needs, tracking their knowledge levels, and providing recommendations. Additionally, robotics classes help students develop logical thinking, problem-solving skills, and technical knowledge. This increases their interest in technology and encourages them to pursue careers in IT and engineering in the future.

Social and Emotional Learning.Modern education is not only focused on providing knowledge but also on developing students' social and emotional skills. Through social-emotional learning, students learn to manage their emotions, cope with stress, communicate effectively, and work in teams. These skills benefit them not only in school but also throughout life and contribute to personal success.

Conclusion

Innovations in modern education offer vast opportunities for students. New approaches in the educational process, such as digital technologies, artificial intelligence, personalized learning, and the development of social-emotional skills, make learning more engaging, effective, and profound. These innovations contribute to preparing knowledgeable and skilled professionals for the future.Therefore, innovations in modern education are highly valuable for students and serve to create successful individuals in society.

References:

1.Jalolov J.J. Methodology of Teaching Foreign Languages. Tashkent. "O'qituvchi" Publishing House. 2012. p. 432.

2. Кадирова, Ф. Х. New approaches and modern methods of teaching foreign language pronunciation

3. Муминова, М. А. (2023). Использование интегративной технологии "Языковое портфолио" на уроках английского языка. Информатика. Экономика. Управление - Informatics. Economics. Management, 2(3), 0342–0353. https://doi.org/10.47813/2782-5280-2023-2-3-0342-0353

4. Muminova M.A (2023). Didactic and methodical interpretation of the integrative approach in teaching a foreign language. Scientific Bulletin of NamSU-Научный вестник НамГУ-NamDU ilmiy axborotnomasi–2023-yil_11-son

www.journal.namdu.uz ISSN: 2181-0427

5. M.A Mo'minova (2024)The importance of an integrative approach to students' of learning materials in the process of foreign language teaching.
https://sciencesage.info/index.php/jasr/index