



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

THE USE AND EFFECTIVENESS OF MODERN PEDAGOGICAL TECHNOLOGIES IN EDUCATION

D. Okhunova

Teacher of FarDU

Khakimova Sarvinoz Sharifjan's daughter

Student of pedagogy and psychology

Email address: sarvinozhakimova122@gmail.com

ABSTRACT

This article discusses the advantages of using modern pedagogical technologies in the educational process, their impact on student performance, and the level of real effectiveness. It also analyzes the experiences of introducing innovative technologies in the Uzbek education system and their effectiveness indicators.

Keywords: pedagogical technology, innovation, interactive method, effectiveness, quality of education.

ANNOTATSIYA

Mazkur maqolada ta'lim jarayonida zamonaviy pedagogik texnologiyalarni qo'llashning afzalliklari, ularning o'quvchilarning faoliyatiga ta'siri hamda real natijadorlik darajasi yoritiladi. Shuningdek, o'zbek ta'lim tizimida innovatsion texnologiyalarni joriy etish tajribalari va ularning samaradorlik ko'rsatkichlari tahlil etiladi.

Kalit so'zlar: pedagogik texnologiya, innovatsiya, interfaol metod, natijadorlik, ta'lim sifati,

АБСТРАКТНЫЙ

В статье рассматриваются преимущества использования современных педагогических технологий в образовательном процессе, их влияние на успеваемость учащихся и уровень реальной эффективности. Также будет



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

проанализирован опыт внедрения инновационных технологий в систему образования Узбекистана и показатели их эффективности.

Ключевые слова: педагогическая технология, инновация, интерактивный метод, эффективность, качество образования.

In the current globalization and digital society, renewal, innovative approaches, and technology-based methodologies are playing an important role in the education system, as well as in every field. The traditional education model can no longer fully meet modern requirements. This has made the use of modern technologies in the pedagogical process an everyday necessity. The teacher is required not only to teach, but also to develop the student as an active participant, to turn him into an independent thinker. One of the main tasks facing the education sector in the modern era is to establish a person-centered, activity-based, result-oriented education. This is unimaginable without the effective use of modern pedagogical technologies. Pedagogical technologies not only modernize and spiritualize the teacher's activities, but also develop students' independent thinking, creative approach, and the ability to apply knowledge in practice. Pedagogical technologies are a pre-designed, planned, and clearly result-oriented educational process. Through them, the learning process is carried out in a step-by-step, systematic manner.

Modern technologies are based on the following basic principles:

- Person-centered approach
- Activity-based learning
- Dialogue and collaboration
- Independent learning and reflection
- Summative assessment

Innovations systematic work with the active use of pedagogical technologies increases students' interest in science, increases their learning activity, ensures deep and continuous assimilation of knowledge, and develops students' thinking, develops memory and speech, serves to educate honesty, diligence and conscientiousness. Educational work also mainly activates the reproductive activity of students. An important feature of teaching is the creation of conditions for effective activity in the use of knowledge, its generalization and systematization. Such an organization of the educational process develops students' thinking skills,



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

forces them to be attentive, teaches them to analyze, compare, highlight the main thing, turns them from passive listeners in the classroom into active participants. Each educational process increases its quality level with its richness in modern technologies and new approaches. In this regard, both the state and educators, as well as the younger generation, are equally responsible. Currently, interest and attention to the use of interactive methods, innovative technologies, pedagogical and information technologies in the educational process is growing day by day. One of the reasons for this is that until now, in the traditional approach, students have been taught only to acquire ready-made knowledge. Modern technologies teach them to search for the knowledge they acquire themselves, to study and analyze it independently, and even to draw conclusions on their own. In this process, the teacher creates conditions for the development, formation, acquisition of knowledge and upbringing of the individual, and at the same time performs the role of management and guidance. The tasks of pedagogical technologies are to inform teachers about the essence of modern pedagogical technologies and to teach them to organize the process of classes aimed at teaching the basics of special subjects in non-traditional forms, to achieve the design of the educational process on an excellent modular basis, to acquire the skills and qualifications to rationally use the technology of designing the educational process, to be a guarantee of thorough and deep assimilation of theoretical knowledge by students and the formation of practical skills and qualifications in them. Today, the following technologies are widely used in school and higher education: Interfaol metodlar (cluster, brainstorming, insert, etc.)

- ✓ Problem-based learning technology
- ✓ Project-based learning technology
- ✓ Module-based learning
- ✓ Information and communication technologies (ICT)
- ✓ Gamification (learning in the form of a game)
- ✓ Distance learning (Zoom, Moodle, Google Classroom, etc.)

These technologies form students as active participants, increase their motivation, and make lessons interesting and meaningful. They turn students into not just knowledge recipients, but also searchers, thinkers, debaters, and decision-makers.



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

Through this, students develop competencies such as independent thinking, an analytical approach to problem situations, teamwork, and critical evaluation. The interactivity of the lesson process, the involvement of technological tools, and visual presentations help to master the subject easier, deeper, and faster. As a result, the student becomes an active participant in the lesson, not a passive spectator, but a center of attention. Modern pedagogical technologies also reduce the monotony of the lesson, encouraging students to think actively, ask questions, and freely express their ideas. This, in turn, increases their internal motivation and forms a positive attitude towards the learning process. Due to the learner-centered approach of technologies, the individuality of each student is taken into account, which helps to increase their self-awareness and self-confidence. Through various technological approaches, students not only remember knowledge, but also analyze, compare, and learn to apply it in practice. This forms high-level thinking skills, increased motivation, in turn, stimulates extracurricular activities - the student begins to work on himself, work with additional literature, which leads to deep learning, and technology-enriched lessons expand the student's thinking, encourage more experimentation, and strengthen their openness to innovation, creative approach, and social activity.

Research and observations show that in lessons using modern technologies:

- Students' interest in the lesson increases
- Learning indicators increase by 20–30%
- Independent thinking and a critical approach are formed
- Self-assessment skills appear
- The ability to search for and analyze information increases

In particular, with the help of ICT tools, even complex topics are mastered more easily through visual presentations, video lessons, and virtual practical exercises.

In recent years, a number of innovative projects have been implemented in the education system of Uzbekistan:

- “Electronic Diary”, “OneID”, “Maktab.uz” platforms
- Delivery of technical equipment to all regions within the framework of the “Digital Education” program



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

➤ Teaching interactive methodologies and technologies in teacher training courses

➤ However, some problems - the weakness of the technical base, insufficient skills of teachers in using ICT - prevent the full effectiveness of technologies.

Each technology involves the provision of knowledge, upbringing and development based on pre-planned stages. Through these technologies, the teacher becomes not just a transmitter of information, but also a creator of the educational environment, a mentor who guides the student. Practical types of pedagogical technologies. The most effective technologies used in today's educational environment:

Interactive methods - These methods ensure the active involvement of the student in the lesson, the acquisition of knowledge through communication. For example: "Brainstorming", "Discussion", "Mind Map", "Insert" method, "Role Playing" and other forms of learning allow the subject to be deeply mastered.

Problem-based learning technology - The student is given a problem, not ready-made knowledge, and he/she is given an independent analysis and finds a solution. This method forms the skills of critical thinking, finding a way out in problem situations, and decision-making.

1. Project-based learning - Students develop a project independently or in groups within a certain period of time. This technology develops research, teamwork, leadership, and a creative approach.

2. Information and communication technologies (ICT) - Digital opportunities such as multimedia, presentations, test systems, electronic diaries, distance learning, and artificial intelligence tools adapt students to the modern environment.

3. Module and competency approach - Technologies that divide education into small blocks and focus on the formation of competencies in each section. This approach ensures that the student develops at his or her own pace. Problems and solutions.

There are some obstacles to the effective implementation of modern technologies:

Conclusion. The use of modern pedagogical technologies is one of the most important directions for achieving a fundamental qualitative change in education. They allow students to be educated, responsible, independent and competitive individuals. Each teacher, realizing the use of a technological approach in their work as a professional necessity, makes a worthy contribution to improving the quality of



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

education. These pedagogical technologies have launched a new stage in education. Through them, the student actively participates in the lesson, and the teacher becomes a guiding and motivating leader. This, of course, directly affects the quality of education, effectiveness, and preparation of students for life. Pedagogical technologies are not just a set of methods, but a force that changes the entire educational culture. If each teacher can use this force effectively, a healthy, educated, competitive generation will be formed in society.

References:

- 1.O'zbekiston Respublikasining "Ta'lim to'g'risida" Qonuni, 23.09.2020 yildagi O'RQ-637- son.
2. O'zbekiston Respublikasi Prezidentining 2020-yil 29-oktyabrdagi "Ilm-fanni 2030 yilgacha rivojlantirish kontseptsiyasini tasdiqlash to'g'risida"gi Farmoni .
3. Z.F.Sharopova " Ta'lim texnologiyalari " Toshkent-2019. 14-bet.
- 4.R.J.Ishmuxamedov "Innovatsion texnologiyalar yordamida ta'lim samaradorligini oshirishyo'llari ". Toshkent-2004.
- 5."Ta'lim to'g'risida"gi Qonun, O'zbekiston Respublikasi, 2020-yil
- 6.Azizxo'jaeva N.N. – *Pedagogik texnologiyalar* (Toshkent, 2020)
- 7.Xolmuhamedova D. – *Zamonaviy o'qituvchining texnologik savodxonligi*, TDPU,
8. Mavlonova R. – *Innovatsion pedagogika asoslari*, O'quv qo'llanma
- 9.UNESCO (2022) – *Digital learning strategies for effective education*
- 10.Tolipov O',No'monova N.Ta'lim-tarbiya jarayonida zamonaviy pedagogik texnologiyalar.G'G' Xalq ta'limi.-Toshkent,2002.-N 3.23-29b.
- 11.Rajapova Malika Ahmadali qizi, Allegorical Means Specific to Oral Speech. European Journal of Innovation in Nonformal Education (EJINE) Volume 2 | Issue 2 | ISSN: 2795-8612 Hosting by Innovatus Publishing Co. All rights reserved. © 2022. www.innovatus .es
- 12.Xasanov J, Saribaev H, Niyozov G, Hasanbaeva O, Usmonboeva M. Pedagogika fanidan izohli lug'at. - T.: Fan va texnika, 2009
- 13.Kurbanov Sh.Ye, Seytxalilov Ye. A. Ta'lim sifatini boshqarish. - T.: Sharq.
- 14.Malika Rajapova. Allegorical Means Specific to Oral Speech. European Journal of Innovation in Nonformal Education (EJINE).



E CONF SERIES



International Educators Conference

Hosted online from Toronto, Canada

Website: econfseries.com

7th May, 2025

-
15. Yanushkevich F. Oliy ta'lim tizimida o'qitish texnologiyasi. M.: Oliy maktab, 1986. 133b.
 16. Karpenko M. Ta'limning yangi paradigmasi. XXI asr // Oliy. Rossiyada ta'lim. 2007. No 4. S. 93-98.