



MODERN PROBLEMS IN EDUCATION AND THEIR SCIENTIFIC SOLUTIONS

PEDAGOGIK INNOVATSIYALAR VA INTERFAOL METODLARNI TA'LIM SAMARADORLIGINI OSHIRISHDA QO'LLASH MEXANIZMLARI

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**Annotatsiya:** *Ushbu maqolada interfaol pedagogik metodlar va innovatsiyalar orqali ta'lim jarayonini samarali tashkil etish usullari o'rganiladi. Loyihaviy ish, kooperativ o'qitish va vazifa asosidagi metodlar ta'lim samaradorligini oshirishdagi mexanizmlar sifatida tahlil qilinadi.*

**Kalit so'zlar:** *interfaol metod, pedagogik innovatsiya, loyiha asosidagi o'qitish, kooperativ o'qitish, ta'lim samaradorligi.*

МЕХАНИЗМЫ ПРИМЕНЕНИЯ ПЕДАГОГИЧЕСКИХ ИННОВАЦИЙ И ИНТЕРАКТИВНЫХ МЕТОДОВ ДЛЯ ПОВЫШЕНИЯ ЭФФЕКТИВНОСТИ ОБРАЗОВАНИЯ

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**Аннотация:** *В статье рассматриваются методы эффективной организации образовательного процесса с использованием интерактивных педагогических методов и инноваций. Проектная работа, кооперативное обучение и методика, основанная на выполнении задач, анализируются как механизмы повышения эффективности обучения.*

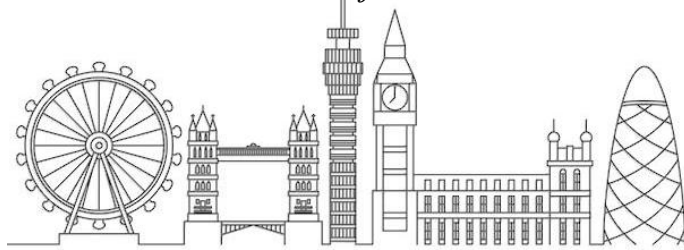
**Ключевые слова:** *интерактивный метод, педагогическая инновация, обучение на основе проектов, кооперативное обучение, эффективность образования.*

MECHANISMS FOR APPLYING PEDAGOGICAL INNOVATIONS AND INTERACTIVE METHODS TO IMPROVE EDUCATIONAL EFFECTIVENESS

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**Annotation:** *This article examines methods for effectively organizing the educational process through interactive pedagogical methods and innovations. Project-based work,*





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*cooperative learning, and task-based methods are analyzed as mechanisms for enhancing educational effectiveness.*

**Keywords:** *interactive method, pedagogical innovation, project-based learning, cooperative learning, educational effectiveness.*

Currently, one of the main directions in improving teaching methods is the implementation of interactive teaching and educational methods. All subject teachers increasingly use interactive methods in classroom sessions. The use of interactive methods helps develop students' abilities to think independently, analyze, draw conclusions, express and defend their opinions, communicate effectively, engage in discussions, and conduct debates. At present, mostly interactive methods are applied in lessons. In the future, it is appropriate for these methods to evolve into interactive technologies [1].

Pedagogical innovations are an important means of increasing the effectiveness of modern education. Interactive methods foster students' thinking, creativity, and independent work skills.

Interactive learning technology ensures that each teacher can conduct a lesson in such a way that all students achieve the expected level of understanding. Each student engages with the lesson according to their own motivations and intellectual level, achieving the intended learning outcomes [2].

Concept and Main Directions of Pedagogical Innovations.

Pedagogical innovations refer to new approaches, technologies, and methodologies introduced to improve the quality of students' learning activities and to refine teaching methods and forms.

Innovative pedagogy develops in the following areas:

Technological innovations: digital learning platforms, virtual laboratories, interactive learning software.

Methodical innovations: project-based learning, cooperative learning activities, problem-based learning.

Organizational innovations: organizing lessons in a modular system, combining individual and group activities, promoting students' independent learning[3].

It is important to follow didactic principles and pedagogical efficiency criteria when implementing innovations.

Impact of Interactive Methods on Educational Effectiveness.

Interactive methods are designed to stimulate students' active learning and encourage continuous participation in the lesson.

Their main features include:

Developing independent thinking;

Building practical skills;

Enhancing group work, communication, and collaboration skills;





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Managing the learning process with teacher supervision and support.

The most commonly used interactive methods include: discussions, role-playing, case studies, brainstorming, project work, and simulation exercises. These methods increase student engagement and help them master the lesson content more deeply [4].

Mechanisms for Enhancing Educational Effectiveness.

The effectiveness of pedagogical innovations and interactive methods is enhanced through the following mechanisms:

Didactic design: defining clear lesson objectives, selecting methods appropriate to students' knowledge levels;

Individualization and differentiation: organizing the educational process according to each student's abilities and learning level;

Use of digital tools: reinforcing knowledge through interactive whiteboards, educational portals, online tests, and quizzes;

Improvement of assessment systems: continuously evaluating students' knowledge and skills and encouraging creative work;

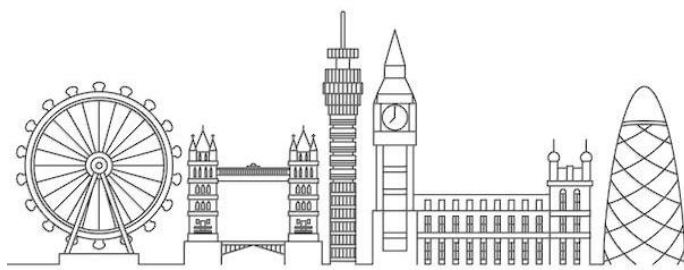
Teacher-student collaboration: guiding student activities with teacher support and turning the lesson into an interactive environment.

When these mechanisms are applied together, the learning process becomes more effective and engaging, strengthening students' self-development skills.

The development of thinking occurs at the levels of knowledge, comprehension, application, analysis, synthesis, and evaluation. Each level is characterized by specific skills and example actions. For instance, the knowledge level involves the student being able to recall terms, rules, concepts, facts, and similar information. Sample actions at this level include recalling, consolidating, conveying information, explaining, writing, expressing, differentiating, recognizing, narrating, and repeating [5].

In conclusion, it is essential for educators to continuously stimulate students' interest and engagement, present learning materials in small portions, and use methods such as brainstorming, small-group work, debates, problem-solving tasks, guiding texts, projects, and role-playing games. Interactive methods encourage independent completion of practical exercises.

An interactive method is a learning activity or problem solved through mutual communication, discussion, and collaborative thinking. Its advantage is that it teaches students to think independently and prepares them for independent life. Interactive methods engage learners actively and place them at the center of the educational process. The teacher's role is to guide and motivate students to participate actively throughout the lesson.





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