USING MODERN PEDAGOGICAL TECHNOLOGIES IN TEACHING TECHNOLOGICAL EDUCATION

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Annotation
This article explores the importance of integrating modern pedagogical technologies into the teaching of technological education. It discusses how digital tools, interactive learning platforms, and innovative teaching strategies enhance students' creativity, critical thinking, and professional skills. The paper emphasizes the role of Smart technologies, STEAM education, project-based learning, and digital simulations in improving the efficiency of the teaching-learning process. It also presents the benefits and challenges of implementing pedagogical innovations in technological education and provides recommendations for teachers and educational institutions.

Keywords. Technological education, modern pedagogy, Smart technologies, digital learning, innovation, STEAM, project-based learning, ICT, interactive education, creative thinking.

Аннотация.
В этой статье рассматривается важность интеграции современных педагогических технологий в преподавание технологического образования. В ней обсуждается, как цифровые инструменты, интерактивные обучающие платформы и инновационные стратегии обучения развивают у студентов креативность, критическое мышление и профессиональные навыки. В статье подчеркивается роль интеллектуальных технологий, STEAM-образования, проектного обучения и цифрового моделирования в повышении эффективности учебно-воспитательного процесса. В нем также представлены преимущества и проблемы внедрения педагогических инноваций в

технологическое образование и даны рекомендации для учителей и образовательных учреждений.

Ключевые слова. технологическое образование, современная педагогика, интеллектуальные технологии, цифровое обучение, инновации, STEAM, проектное обучение, ИКТ, интерактивное образование, креативное мышление.

Annotatsiya

Ushbu maqolada zamonaviy pedagogik texnologiyalarni texnologik ta'limni o'qitishga integratsiyalashning ahamiyati o'rganilgan. Unda raqamli vositalar, interaktiv o'quv platformalari va innovatsion o'qitish strategiyalari o'quvchilarning ijodkorligi, tanqidiy fikrlash va kasbiy mahoratini qanday oshirishi muhokama qilinadi. Maqolada o'qitish-o'qitish jarayonining samaradorligini oshirishda aqlli texnologiyalar, STEAM ta'limi, loyiha asosida o'qitish va raqamli simulyatsiyalarning roli ta'kidlangan. Shuningdek, u texnologik ta'limda pedagogik innovatsiyalarni amalga oshirishning afzalliklari va muammolarini taqdim etadi va o'qituvchilar va ta'lim muassasalari uchun tavsiyalar beradi.

Kalit so‘zlar. texnologik ta'lim, zamonaviy pedagogika, aqlli texnologiyalar, raqamli ta'lim, innovatsiya, bug', loyiha asosida o'qitish, AKT, interaktiv ta'lim, ijodiy fikrlash.

Today, the progress and competitiveness of society directly depends on the modernity and efficiency of the educational system. In particular, technological education is an important direction that forms technical thinking, creativity, practical skills and professional competencies in students.

However, traditional teaching methods cannot provide active student participation. Therefore, the use of modern pedagogical technologies in the teaching of the science of technological education is gaining relevance.oday, the progress and competitiveness of society directly depends on the modernity and ef.

The concept and essence of modern pedagogical technologies

Modern pedagogical technologies are an innovative system of design, organization and evaluation of the educational process. It serves to make the student an active subject with the teacher's leadership role.

Such approaches in technological education, encourages students to think independently, develops the skills to analyze and solve technical issuesThe concept and essence of modern pedagogical technologies.

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Such approaches in technological education. Encourages students to think independently, develops the skills to analyze and solve technical issues, combines theory and practice, prepares students to solve real-life problems.

Modern pedagogical technologies include, ICT, SMART technologies, project training, STEAM, interactive methods, gamification, distance learning, etc.

The role of modern technologies in technological education. ICT simplifies communication between teacher and student, makes education interactive and visual. For example, multimedia presentations, video lessons, 3D modeling and virtual laboratories are effective tools in teaching technological sciences.

SMART Technologies. The role of modern technologies in technological education. With the help of SMART whiteboards, touch devices and mobile applications, the teacher conducts the lesson in an interactive way. The reader will have the opportunity to test their ideas in practice.

STEAM approach. The STEAM (Science, Technology, Engineering, Art, Mathematics) approach refers to the teaching of technological education in interdisciplinary connection. This method develops students ' creative thinking, engineering thinking, and practical design skills.

Project and problem training. Students acquire new knowledge by dealing with problem situations.he STEAM (Science, Technology, Engineering, Art, Mathematics) approach refers to the teaching of technological education in interdisciplinary connection. This method develops students ' creative thinki

Interactive methods and their effectiveness. Interactive methods are teaching methods that involve the student as an active participant in the course of the lesson.

In the science of technological education, the following interactive methods are widely used, "Mental attack" (Brainstorming – - creating ideas, “Cluster” – - network analysis of data, "Debate" - exchange of views on technical problems teractive methods and their effectiveness.

Interactive methods are teaching methods that involve the student as an active participant in the course of the lesson.

"Project work" - achieving the final practical result, "Case-study" - finding a solution based on real cases.

These methods develop students' communication skills, teamwork, and creative approach.

The importance of the digital education environment in technological education.

Today, the digital learning environment is becoming a major factor in the teaching of technological sciences.

With remote platforms (Google Classroom, Moodle, Microsoft Teams), students work independently, perform project assignments, and present results electronically. Simulators and virtual laboratories also allow real production processes to be tested in safe conditions.

Advantages of modern pedagogical technologies. The introduction of modern technologies into the process of technological education gives the following positive results, student interest in the lesson increases, the process of strengthening knowledge accelerates, practical skills are formed more efficiently, the potential of students for independent thinking and creativity develops, the teacher will be in the role of an active administrator and guide.

Problems and ways to solve them. The full implementation of modern technologies in the educational process also presents some problems:

- teachers ' ICT training is insufficient;
- technical equipment and internet capabilities are limited;
- training programs are outdated.

To eliminate these, organization of continuous training courses for teachersProblems and ways to solve them

The full implementation of modern technologies in the educational process also presents some problems-teacheron.

In conclusion, the application of modern pedagogical technologies in the teaching of the science of technological education is the most important factor in improving the quality of the educational process, preparing students at the level of the requirements of the digital age.

ICT, SMART technologies, the STEAM approach, project and interactive methods form a result-oriented educational system that puts the student at the center. In conclusion, the application of modern pedagogical technologies in the teaching of the science of technological education is the most important factor in improving the quality of the educational.

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