

EFFECTIVE USE OF MODERN PEDAGOGICAL SOFTWARE TOOLS IN THE COURSE OF THE LESSON

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Abstract

This article covers the issues of effective use of modern pedagogical software tools in the course of the lesson. The widespread introduction of information and communication technologies in the educational process creates a great opportunity for the development of students' knowledge, skills and abilities. The use of multimedia tools, interactive platforms, electronic educational resources and simulation programs in the course of the lesson increases the interest of students and ensures the efficiency of learning. This article is devoted to the study of the importance of modern pedagogical technologies, their methods of application and their impact on the educational process.

According to the results of the research, it was found that the use of modern tools helps to improve the quality of education and the work efficiency of teachers. At the same time, the article contains recommendations on the selection and use of pedagogical software tools.

Keywords: Modern pedagogy, Software tools, Innovative educational technologies, Interactive education, Optimization of the educational process, Information technologies, educational resources, electronic textbooks, Digital education, Software integration, Multimedia tools, Online platforms, Virtual laboratories, STEM-education, Increasing student engagement.

Introduction

Today, quality organization of the educational process and conducting it at the level of modern requirements is of great importance. Effective use of modern software tools in the pedagogical process in the current era of advanced information technology allows to increase the effectiveness of teaching, to increase the interest of students in learning and to develop their independent thinking skills.

Modern pedagogical software tools include special programs used in the educational process, interactive platforms, virtual laboratories, multimedia tools and other technologies. With their help, it is possible to organize lessons in an interactive way, explain complex topics visually and attract students to active participation.

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Digitization of the education system and the introduction of modern technologies into the educational process will not only improve the quality of education, but also create opportunities



to prepare the young generation to work in the digital economy in the future. Therefore, this topic is relevant today.

Importance of modern pedagogical software tools

Modern pedagogical software tools bring the educational process to a new level. They are important in the following aspects:

1. Visualization capabilities: Provides the ability to use animations, graphics and simulations to explain complex topics more easily.
2. Interactivity: Encourages students to actively participate in the lesson and creates conditions for individual work with them.
3. Adaptability: Allows you to create and present learning materials that suit the needs and abilities of each student.
4. Save time: It helps teachers to reduce the time needed to prepare and conduct a lesson.

Types of pedagogical software tools

1. Multimedia tools: Explaining topics through PowerPoint, Prezi and other presentation programs.
2. Interactive educational platforms: platforms such as Moodle, Google Classroom, Edmodo effectively help in managing the educational process.
3. Virtual and augmented reality (VR/AR): possibilities such as simulation of laboratory work, interactive viewing of geographical maps.
4. Software models and simulations: special programs for teaching subjects such as mathematics, physics, and chemistry.
5. Online learning resources: YouTube tutorials, e-books, and distance learning platforms.

Methods of using modern tools

1. Organization of interactive lessons: For example, the teacher explains the topic using presentations and videos during the lesson, and then checks the students' knowledge through online tests.
2. Use of visual materials: Presentation of graphics, diagrams and 3D models using software tools.
3. Independent study and assignments: Giving assignments through online platforms to engage students in independent work.
4. Collaborative work: Using tools such as Google Docs and Padlet for group work.

As a result of the use of modern pedagogical software tools, it is possible not only to improve the quality of education, but also to develop the creative and critical thinking skills of students.

Summary

Modern pedagogical software tools serve as an important tool in increasing the effectiveness of the educational process. Their correct and effective use will make lessons interactive and interesting, and will significantly improve student learning.

Today's education system requires the use of modern technologies. Therefore, teaching teachers to use modern software tools, providing educational institutions with the necessary technical tools and integrating these tools into the educational process is one of the urgent issues.

At the same time, one of the main goals of today's educational process is to encourage students to learn independently using technologies, develop their creative thinking skills, and prepare them for successful work in the modern economy in the future.



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