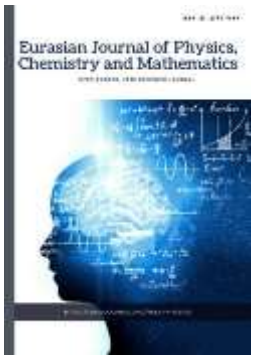

Use Of Innovative Methods of Teaching Physics in Modern Educational Institutions

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ABSTRACT

The article discusses some aspects of using innovative methods, pedagogy, computer technologies, and the latest achievements of science in teaching natural sciences, especially physics, in modern educational institutions.

Keywords: Thinking, competence, knowledge, education, process, education, content, level, mastery, technical means.

In the following years, a number of works were carried out on the computerization of many elements of the educational process, that is, the implementation of teaching programs that describe the educational material, programs that demonstrate processes that are difficult to imagine.

But not enough attention is paid to the creation of programs intended for use in the educational process and their wide use. In order to solve these problems, a computer program was created to determine the levels of independent learning of students, and as a result of its use, students can independently master subjects and determine their own level of knowledge.

The program is easy to use, and we can work in it as if we were working in the Windows operating system. After the program is launched, an instruction window for working with it will be created. After getting acquainted with the instruction, several windows will be created according to the instruction chosen by the students. By choosing one of the main program windows with the "Curriculum" section, the "Topic selection" window is created.

The rating system is taken into account when taking into account the mastering level of the students studying the subject, and if the student achieves mastering more than 55%, he can choose another subject "or subject" and determine his level of knowledge or can re-learn the subject and determine their level of knowledge. In order to analyze the degree of independent learning of the subject by students, the "Database" section is selected in the "Topic Selection" window. As a result, a verification window will appear and you will be asked to enter the required password.

The convenience of the program is that didactic and handout materials (theoretical information and test questions) prepared in the subject can be read if they are prepared in the Word program. This program can be used for independent learning of optional subjects. If the didactic and handout materials prepared for these subjects are included in the base of this program and connected to the program, the quality of training will be improved, and

the student will be able to learn independently through the computer.

In research abroad, efforts are being made to move beyond the transformation of the reproductive memories that shape student performance, while American psychologists focus on the elements that encourage the achievement of productive levels of thought that are oriented toward the centers of learning. proposed to create the following teaching device, which includes:

In general, the main components of Russian pedagogues have developed integrated pedagogical technologies, and its main components, in summary, are as follows.

1. Multi-level systems of goals for the implementation of each specialization and the goals of the training are presented in the form of planned training results.

2. The large structure of the educational process is combined with the block of lessons as the smallest units, forming a large unit of educational content.

3. Each step is designed depending on the results of the previous ones, based on the successful monitoring of the group teaching process with a clear dynamic in the composition and activity of the groups, that is, a picture of development.

4. Management of the educational process and the study process is carried out with the help of computers.

Acquaintance with foreign experience in this field is a new approach to teaching for the pedagogues of our country, studying foreign experiences in the field of modern pedagogical technology, gaining a deep understanding of our national cultural traditions and achievements in the field of education, assimilating them, and then learning from them. serves as an incentive for use in amlyot or production.

The use of modern pedagogical technologies in education increases the interest of students in learning, develops cognitive activity, and makes it possible for the effectiveness of the educational process to be at a high level.

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