

**THE ROLE OF MODERN PEDAGOGICAL TECHNOLOGIES IN THE DEVELOPMENT OF PEDAGOGICAL SCIENCE**

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ABSTRACT

This article shows the effective aspects of the use of innovative methods in pedagogical activity, the process of integration between disciplines, the possibilities of information and communication technologies in creation of innovative methods.

Keywords: Method, innovation, innovative activity, innovative environment, pedagogical innovation, integration, quality, result.

Introduction

The most important and central issue of the teacher's innovative activity is the effective and high-quality organization of the educational process. There are various teaching methods. The educator is looking for ways to achieve his goals in any way he teaches, in this regard, he uses educational methods and innovative methods. Educational methods are still showing their effectiveness, and modern educators are trying to achieve better results by teaching in a new way. They also use innovative methods. Pedagogical innovations in innovation: the creation and use of new teaching methods and methods creates an effective and high-quality organization of the educational process. Pedagogical innovation is a factor that enriches the theory and practice of education and upbringing by introducing previously unknown changes in the educational process and its development.

Also, modern pedagogical technologies increase the efficiency of the educational process, form the process of free thinking of students, increase students' enthusiasm and enjoyment of learning, develop skills and competencies for the solid assimilation of knowledge, their independent use in practice.

Educational and methodological means - means of achieving educational goals and methods of theoretical and practical orientation of educational material. Teaching methods determine the activities of the teacher and the student in the educational process, how the educational process should be organized and conducted, what actions students should perform in this process. Also, the pedagogical method is a method of theoretical and practical cognitive activity aimed at fulfilling the educational tasks of the teacher and students. Educational methods depend on the understanding of the general patterns of knowledge of the surrounding world, that is, they have a philosophical and methodological basis and are the result of a correct understanding of the contradictions in the educational process, the essence and principles of the educational process. The educational material depends on the logic of scientific thought expressed in the educational content. The less the



theory is expressed in pedagogical views, the less the methods of education depend on this theory. The science of pedagogy summarizes the best practices of schools and teachers, shows the scientific basis of traditional education, and helps to creatively look for modern and effective teaching methods. Methods consist of several main groups, each of which is divided into subgroups and individual methods included in them. The very process of organizing and implementing educational activities includes the transfer of information, the reception, understanding and memorization of educational information and taking into account the application of knowledge and skills in practice, the first group of methods includes methods of transmitting information using words and listening to them, oral methods; story, lecture, conversation, etc.; methods of the second group of methods of visual transmission and reception of educational information by viewing - visual methods: visual, demonstration, etc.; the methods of the third group include the supply of educational information through practical activities (practical techniques, exercises, laboratory experiments, labor activity, etc.). So, educational methods that are widely used in practice can be expressed as follows.

The educational method has a psychological basis. A great influence on the methods of teaching and learning is exerted by the age and level of maturity of the child in mastering the educational material. A better understanding of the mental activity and personal characteristics of students makes it possible to find more effective teaching methods. According to the concept of personal activity of teaching specialists, this allows us to consider the process of individual learning as the process of forming an individual creative personality in the educational process, as well as organize training in accordance not only with the logic of the taught subject, but also with the logic of personality development. Fulfill the order of the social society by building an information society by increasing the creativity (creative potential) of the student, his communication skills, learning culture, efficiency and quality at all stages of the educational process (the field of information technology) , information and educational documents, users) and guarantees promising results when choosing the best options for the development of such processes. This is an active learning process. Active learning is a systematic pedagogical process that ensures conscious and active participation, independence and creativity of the teacher and student in the educational process. The acquired knowledge and methods of action in conditions of active learning will be completely systematized in content, logically completed and suitable for use in various production situations. The following teaching methods are mainly used: discussion; engage in contemplation; strengthening on the board; implementation of various educational and professional games, etc. Activation of educational methods requires increased attention to the following educational laws. After all, modern pedagogical technologies not only increase the productivity of the educational process, but also increase the ability of students to work independently. That is why the introduction of pedagogical innovations in the educational process, the use of pedagogical technologies in education, the use of various innovative methods and methods, and improving the quality of education have become a hot topic today.



It is known that any technology is based on educational principles that form the new content of education, and is aimed at educating the personality of the student, the formation of labor and professional skills in certain areas. The active subjects of the educational process are the teacher and students, and their joint activity makes it possible to acquire in-depth theoretical and practical knowledge on a particular subject (or the basics of subjects) with little effort and time. Unlike the methodological development of the educational process, aimed at the active, productive activity of the teacher, pedagogical technologies aimed at activating and accelerating the educational process are focused on students, as well as on their personal and joint development with the teacher to create conditions for the assimilation of educational material, taking into account their activity, education and training, to systematically develop the activity and curiosity of students throughout the entire education is aimed at ensuring the possibility of prompt inclusion of the requirements of pedagogical technology in educational or production activities based on the creation of educational factors. Otherwise, weak, poorly understood, or poorly formulated objectives can lead to inefficient completion of learning.

The advantages of classes organized on the basis of interactive pedagogical technologies are that such a system of classes serves as the basis of science, honing thinking, forming boundless love for the Motherland, loyalty, civic ethics and democratic culture. Methods such as "Working with groups", "Discussion", "Problem learning", "Brainstorming", as well as working with tables, writing papers expressing an independent opinion, writing essays when teaching subjects increase the activity of students. Such lessons based on these methods save time and deliver new knowledge to the student, he will be able to get out of the situation with the correct conclusions in disputes and will be able to connect and generalize the knowledge gained with others.

The current development of education has brought to the field a new direction - innovative pedagogy. The term "innovative pedagogy" and related studies appeared in Western Europe and the United States in the 60s. The socio-psychological aspect of innovation was developed by the American innovator E. Rogers. He studies the classification of categories (types) of participants in the innovation process, their attitude to innovation, readiness to accept it. Pedagogical technology - studies the problems of using modern pedagogical technologies in the process of education and training, increasing the efficiency of the process of education and training based on a technological approach.

Educational methods depend on the understanding of the general patterns of knowledge of the surrounding world, that is, they have a philosophical and methodological basis and are the result of a correct understanding of the contradictions in the educational process, the essence and principles of the educational process. The educational material depends on the logic of scientific thought expressed in the educational content. The less the theory is expressed in pedagogical views, the less the methods of education depend on this theory. The science of pedagogy summarizes the best practices of schools and teachers, shows the scientific basis of traditional education, and helps to creatively look for modern effective teaching methods.



In conclusion, I can say that in an era of tremendous development of the information and communication system, educators must have a deep knowledge of techniques and technologies, be able to analyze them and be aware and skillful at the level of innovation. To do this, I consider it expedient to choose and use simple, understandable and accessible methods for all students, use visual aids, use pedagogical technologies correctly and effectively. If the teacher can interestingly organize a lesson based on creativity, the student's interest in science and high-quality, effective learning will increase.

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