

СЕКЦІЯ 3. ПЕДАГОГІКА, ОСВІТА, ФІЛОСОФІЯ ТА ФІЛОЛОГІЯ

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INNOVATIVE TECHNOLOGIES IN THE ORGANIZATION OF EDUCATIONAL ACTIVITIES

Digital technologies are penetrating all spheres of life, transforming traditional areas of business, education, medicine, and culture [1, p.20]. In this context, education is no exception, and the introduction of innovative technologies into the learning process is becoming a key factor in determining the success of the modern education system. Innovation is the activity of creating, mastering, using, and disseminating innovations aimed at purposefully changing the system from one state to another. Innovative technologies in education include new components, principles, methods, and tools that allow achieving significant educational effects.

It is important to note that innovative technologies in education have demonstrated their promise and potential both during the 2020-2023 quarantine and during the full-scale war against Ukraine. The destruction of the ability to conduct the educational process directly on the basis of educational institutions did not lead to the collapse of the educational process. Some educational institutions - schools, colleges, and universities - resumed teaching in a full synchronous format within a few weeks from 02/24/2022 [2, p. 389].

Innovative technologies in education are characterized as:

- assimilating the maximum amount of knowledge;
- maximum creative activity;
- a wide range of practical skills and abilities [3].

The purpose of innovative technologies is to form an active, creative personality of a future specialist who is able to independently build and adjust his or her educational and cognitive activities. The teacher should develop skills important for modern society, such as:

- the ability to develop and follow a plan of action;



- the ability to find the necessary resources (including information) to solve your problem and task;
- the ability to receive and transmit information, and present the results of their work - efficiently, effectively, and effectively;
- the ability to use a computer in any situation, regardless of the task at hand;
- ability to navigate in an unfamiliar professional field.

The essence of pedagogical innovations is that scientific innovations that contribute to the development of progress cover all areas of human knowledge. Pedagogical innovations have such classifications and directions as socio-economic, organizational, managerial, technical, and technological innovations. One type of social innovation is pedagogical innovations, which are innovations in the field of pedagogy, a purposeful progressive change that introduces innovations into the educational environment, improving the characteristics of both its individual components and the educational system as a whole.

Pedagogical innovations can be carried out both at the expense of the educational system's own resources (intensive way of development) and by attracting additional capacities (investments) - new facilities, equipment, technologies, and capital investments (extensive way of development).

The combination of intensive and extensive ways of developing pedagogical systems allows for so-called "integrated innovations" that occur at the intersection of diverse and multi-level pedagogical subsystems and their components. Integrated innovations are usually not superficial or external measures, but are conscious transformations that respond to the deep needs and knowledge of the system. By reinforcing weaknesses with the latest technologies, the overall effectiveness of the pedagogical system can be improved.

The main directions and objects of innovative transformations in pedagogy are:

- development of concepts and strategies for the development of education in institutions that provide educational services;
- updating the content of education, changing and developing new teaching and learning technologies;
- improving the management of educational institutions and the education system as a whole, improving the training of teaching staff, and upgrading their qualifications;
- designing new models of the educational process;
- ensuring psychological and environmental safety of students, developing health-saving teaching technologies;
- ensuring the success of education and upbringing, monitoring the educational process and student development;



- development of new-generation textbooks and teaching aids, etc.

Innovations can take place at different levels. The highest level includes innovations that affect the entire pedagogical system.

Progressive innovations are based on scientific principles and contribute to the development of practice. A fundamentally new and important area has emerged in pedagogical science - the theory of innovations and innovation processes. Educational reforms are a system of innovations aimed at radical transformation and improvement of the functioning, development, and self-development of educational institutions and their management systems.

Innovation processes are the processes of creating pedagogical innovations, processes of quantitative and qualitative transformations that reflect the new state of an object, pedagogical idea, fact, concept, etc., the analysis and comparative evaluation of which, in accordance with the pedagogical values existing in society, may be in the interests of the development of the entire educational and pedagogical society.

There is an objective relevance of introducing new educational technologies, which stems from the tasks they solve:

1. Adapting the education system to new conditions, creating a diverse market for educational services;
2. Integration of the education system of a particular country with the global education system;
3. Effective support for economic, social, and political reforms;
4. Development of education based on the recognition of the self-worth of the individual and universal values.

The need to apply innovative teaching methods in the educational process is as follows:

Firstly, our era is characterized by a time of innovation and new developments. Every day we encounter new goods, products, knowledge, and ideas. This requires that the learning process and teaching methods also keep up with these changes.

Secondly, learning through innovative methods and their constant use helps students to develop an open mindset and teach them to be proactive, as these qualities are features of creative learning.

Third, innovative teaching methods are active learning methods. These teaching methods allow to form the experience of creative and innovative activity of students, which ultimately affects the competence of a future specialist. The essence of innovations in education and innovative teaching methods themselves is also determined by their dynamism and activity.

The features of innovative learning include:

- working ahead of the curve, anticipating development;



- personalized learning;
- the presence of elements of creativity is mandatory;
- partnership type of relations: cooperation, co-creation, mutual assistance, etc.

Active teaching methods are inherently interactive, as they transform from methods of influence into methods of interaction between teacher and student. Activation of the student allows him or her to form his or her own active position, including in relation to knowledge and the process of cognition.

When using effective learning technologies, all the basic parameters of communication at a high level of understanding are formed, such as high motivation, purposefulness, personal meaning, thinking activity, and personal interest. However, these parameters remain invalid without the teacher's influence, and only through cooperation with the teacher, which is realized in the process of pedagogical guidance of the educational process, do they become active and significant.

Thus, the teacher understands that in the classroom, he or she is not an object, but an equal partner in the learning process, and therefore must be proficient in numerous and diverse educational technologies. This is the basis of the teacher's creativity, which manifests itself in a non-standard approach to the organization of the educational process.

It can be concluded that an innovative approach to the organization of learning activities not only intensifies the learning process but also increases the motivation of a modern student to study, stimulates his or her cognitive interest, and increases the effectiveness of group and independent work, making the classroom attractive and truly modern. Thus, the use of modern innovative educational technologies, methods, and techniques is an objective necessity and a condition for achieving high-quality modern education.

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