

Educational Technologies and the Role of Teaching Technologies in the Educational Process

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ABSTRACT

The essence of the educational content, the innovative approaches of our country and the world experience, the introduction of teaching technologies into the field of education are highlighted.

KEYWORDS: Competence, STEAM, Teaching technologies, pedagogical technologies, developmental technologies, educational technologies

As the content, goals and tasks of education expand and develop over time, its forms, methods and tools are also improving. The main directions of current human activity are turning into a single system, i.e. technologies, which enable the full realization of the intended goals of this activity. Similarly, in the field of education, educational technologies have been actively used in recent years. It is known that the process of education consists of the older generation teaching their knowledge and experience to the younger generation, and in this process, the information necessary for human life is transmitted from generation to generation. Human life is closely related to information.

A rational teaching model is created, which enables the implementation of didactic tasks and consists of a set of teaching methods, organizational forms, tools, and pedagogical methods. The displayed tools and pedagogical techniques should be adapted to the educational materials, the individual abilities and the level of development of the students. Also, the material base of the educational institution should be taken into account.

" In the programs, depending on the areas of specialization, hours are allocated for lectures and practical classes, while for some areas, hours are allocated for lectures, practical and laboratory classes. As the name of the course suggests, it is an experimental science course, so it is appropriate to have lectures, practical and laboratory activities. However, the development of information technology in teaching has resulted in some universities providing hours for lectures and laboratory sessions, and some for lectures and practical sessions. Therefore, modern teaching technologies, such as information technologies, should be used to convey complex material to students." [2]

Improbable factors and ways to overcome them are considered for the implementation of educational technology.

During the implementation of the educational project, special attention is paid to the following activities:

➤ to familiarize students with the purpose and tasks of the studied subject in advance, to announce problems, tasks, as well as homework, independent work, the order and time of their completion, to fully master the subject to

give instructions, to tell the standards of mastering at the standard level;

➤ to stimulate the active and independent activities of learners, draw children's attention to the content of the section or topic, tell them how to teach it and arouse interest in learning, the desire to read and learn, and the need to solve problems shoot Collecting information on the topic through the ways of applying emotions, thought phenomena, knowledge to educational situations, organizing current control over the collected information, changing the topic for full mastery, addition, setting corrections;

➤ processing of accumulated knowledge on the department or topic. The educational process is scholastic in nature. Expected and unexpected, planned, extraordinary and accidental events also occur in it. Consequently, based on the studied results, new changes, additions, corrections are made to the project, it is also mentioned how close the children are to the reference level;

➤ making general conclusions on the department or topic, applying the conclusions to complex educational situations.

According to the results of intermediate control, collecting information on the topic or department, analyzing the achievements of students in the processes of processing the collected information, showing the shortcomings of students' knowledge, skills, experience of creative activity, relationships, giving each student additional tasks to complete until the final inspection, encouraging them to master the educational materials more comprehensively at the benchmark level;

➤ the main function of the final control is to determine whether learners master the elements of knowledge and educational content at the standard level, to warn students who have mastered below the standard level, to give additional assignments.

Control - the task of the evaluation unit is to conduct current, intermediate and final controls on the progress of the implementation of the set goal, that is, to provide regular feedback and information processing. Analyzing the received information, if necessary, changes are made to future actions, and finally, a conclusion is drawn about the compatibility of the set goal and the obtained results. A conclusion is made about the suitability of the situation in the achievement of any goal

Technologization of education means the qualitative solution of educational development issues, the universal design of the teaching process for achieving educational goals, regardless of the personal skills of the teacher.

References

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