



## **MODERN TECHNOLOGIES FOR TEACHING STUDENTS THE SKILLS OF TECHNOLOGICAL THINKING**

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<b>Article history:</b>		<b>Abstract:</b>
<b>Received:</b>	1 <sup>st</sup> January 2023	Currently, teaching methods in modern conditions of education are going through a difficult period associated with the change of educational goals, the development of a new generation state educational standard based on a competence-based approach. It requires the search for innovative means, forms and methods of teaching and upbringing related to the development and implementation of modern educational and information technologies.
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To implement the cognitive and creative activity of the student in the learning process, modern educational technologies are used to improve the quality of education, effectively use the study time, reduce the proportion of reproductive activity of students. Homework. Modern educational technologies are focused on individualization, distance and variability of the educational process, academic mobility of students regardless of age and level of education. Educational technology is a systematic method of designing, implementing, evaluating, correcting and then reproducing the educational process. Educational institutions, in particular SPE, widely use pedagogical teaching technologies used in the learning process. The introduction of modern educational and information technologies into the educational process allows the teacher to develop the depth and strength of knowledge, consolidate skills and abilities in various fields of activity; to develop technological thinking, the ability to independently plan their educational, self-educational activities; to cultivate habits of strict compliance with the requirements of technological discipline in the organization of training sessions. The widespread use of pedagogical technologies allows the teacher to use the study time most effectively and achieve high results in teaching students. Traditional training of specialists, focused on the formation of knowledge, skills and abilities in the subject area, is increasingly lagging behind modern requirements. Education should be based not on academic disciplines, but on ways of thinking and acting. It is necessary not only to release a specialist who has been trained at a high level, but also to include him in the stage of developing new technologies, adapting to the conditions of a specific production environment, and self-study. management decision-making. Based on the experience of using innovative methods in teaching, some of their advantages can be identified: they help students in learning active ways of learning new knowledge; they

provide an opportunity to master a high level of personal social activity; create conditions in which students cannot learn in the learning process; stimulate creative activity of students; helps to bring learning closer to the practice of everyday life, to form not only knowledge, skills and abilities on the subject, but also an active life position. At the present stage, education is aimed primarily at the development of personality, increasing its activity and creative abilities, and consequently, at expanding the use of students' methods of independent work, self-control, self-control. active forms and methods of teaching, all this is possible only if there is interest. students' study of the subject. Cognitive interest is an intellectual and emotional attitude to the educational process, the student's desire to learn, the fulfillment of individual and general tasks, interest in the activities of the teacher and other students. Cognitive activation is a continuous process of motivation for purposeful learning.

A modern teacher should use various ways of activation in his activity, combining various forms, methods, means of teaching that stimulate the activity and independence of students, introduce innovative pedagogical technologies into the educational process. Graduates of secondary vocational education institutions have high requirements for admission to higher educational institutions or employment. They must be able to adapt to the complex modern world: they need not only the knowledge they have acquired, but also the ability to find it on their own, to feel capable people in any field, to think creatively in order to successfully establish themselves in life.

A teacher can achieve good success in acquiring knowledge only by increasing interest in his subject. To do this, it is necessary to use a system of methods aimed not at presenting ready-made knowledge to students, memorizing and repeating them, but at independent assimilation of knowledge and skills by students in the process of active cognition. activity.



Some traditional methods and teaching methods are one of the reasons for this loss of interest.

To develop students' interest in studying the subject, it is necessary to use both traditional teaching methods using techniques that help motivate students to practical and mental activity; the formation and development of cognitive interests and abilities; the development of creative thinking, and elements of innovative technologies (problem-oriented, student-oriented learning elements, information and communication technologies, etc.). The success of learning and the strength of knowledge are directly proportional to the level of development of students' cognitive interest in the subject.

One of the important aspects of the lesson for the student is to understand the need for personal interest in obtaining knowledge so that students can feel competent not only as a result, but also throughout the learning process. the influence of education on the development of the student's personality. Therefore, a modern lesson should be based on a combination of specially organized classes and simple interpersonal contacts, therefore, the age, psychological characteristics of students are taken into account in the lesson through a personal communication plan: their readiness to expand their circle. communication, empathy for adult problems, the desire for self-affirmation.

Modern educational technologies help to achieve the set goals, such as:  
technology of differentiation of levels of education;  
group technologies;  
computer learning technologies;  
gaming technologies;  
technology of problem-based and research training;  
technologies of intensification of training based on schematic and symbolic models of educational material;  
pedagogy of cooperation.

Modern technologies make it possible to form and develop subject and educational knowledge and skills in the process of active multi-stage cognitive activity of students in an emotionally comfortable environment, to develop positive motivation for learning. At the present stage, the concept of pedagogical technology is actively used in pedagogical practice.

However, there are great differences in its understanding and application, as well as many definitions given by various scientists, such as B.T.Likhachev, V.P.Bespalko, I.P.Volkova, understanding is a meaningful generalization of pedagogical technology that has absorbed the meanings of all definitions. different authors.

G.K. According to Selevko, the concept of "pedagogical technology" can be expressed in three aspects:

- 1) scientific: pedagogical technologies are a part of pedagogical science that studies and develops the goals, content and methods of teaching, as well as designing pedagogical processes;
- 2) procedural-descriptive: description (algorithm) of the process, a set of goals, content, methods and means to achieve the planned learning outcomes;
- 3) procedurally effective: the implementation of the technological (pedagogical) process, the functioning of all personal, instrumental and methodological pedagogical means. Thus, pedagogical technology acts both as a science that studies the most rational teaching methods, and as a system of methods, principles and regulators used in teaching, and as a real educational process.

Of course, every teacher wants his subject to arouse deep interest in students, so that they can not only write lectures without hesitation, but also understand what has been said, think logically, so that each lesson is not a burden, but also so that each lesson is not a burden for themselves. joy for students and teachers. The teacher talks, and the student listens and learns, but listening to ready-made information is one of the most inefficient teaching methods.

Knowledge cannot be mechanically transferred from head to head (heard - learned). Therefore, it is necessary to make the student an active participant in the educational process. A student with an interest in science can assimilate information only in his activities. Therefore, when a teacher forgets about his role as an informant, he or she he should play the role of an organizer, coordinator of cognitive activity, organize for the student all types of educational and cognitive activities in the classroom.

Such an organization of the educational process develops students' thinking skills, makes them be attentive, teaches them to analyze, compare, highlight the main thing, turns them from passive listeners into active participants in the lesson. Thus, various types of technologies help to develop the cognitive and creative interests of students. However, the introduction of modern educational and information technologies does not mean that they will completely replace the traditional teaching methodology, but will become an integral part of it.

After all, pedagogical technology is a set of methods, methodological techniques, forms of organization of educational activities based on the theory of learning and providing the planned results. It is very difficult for a teacher to overcome the stereotypes of the lesson that have developed over the



years. There is a great desire to approach the student and correct mistakes, offer a ready answer.

Students also face the same problem: it is typical for them to see a teacher as an assistant, an organizer of cognitive activity. The modern education system gives teachers the opportunity to choose "their own" from a variety of innovative methods, to take a fresh look at their work experience.

Today, in order to successfully conduct a modern lesson, it is necessary to rethink your position in a new way, to understand why and why changes are needed, and, above all, to change yourself.

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