

## Use of Innovative Technologies in Technology Lessons

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### ABSTRACT

In this article In technology classes, the use of innovative technologies, the forms and methods of using innovative technologies, the methods of using innovative technologies in the educational process are widely covered.

**KEYWORDS:** *technology, information communication technologies, ICT, presentation preparation technologies.*

Innovations. *Forms and methods of using innovative technologies.* Today, one of the urgent tasks of our country is to educate young students, that is, to prepare them at the level of mature qualified specialists who meet the requirements of state educational standards in all respects. Forming an excellent system of personnel training based on the rich intellectual heritage of the people and universal values, on the basis of the achievements of modern culture, economy, science, technology and technology is an important condition for the development of Uzbekistan. No. 140 of April 6, 2017 "On Approval of the Regulation on Secondary Education" "Approval of State Educational Standards of General Secondary and Special Secondary Vocational Education"

The adoption of Resolution No. 187 is of great importance in further improving the education system and ensuring its integrity. We believe that the adoption of the decision on the approval of the state educational standards of general secondary and secondary special vocational education indicates that the educational system is being radically modernized. Currently, information and communication technologies are widely used in the teaching of almost all subjects. While technology lessons apply general didactic principles to other school subjects, they also have their own characteristics. Students engage not only in cognitive activities, but also in creative activities. The science of technology is not an object of simple study of labor tools, processes, tool, didactic material, serves as a technical tool of education. There are specific aspects of using modern methods of education, pedagogical and information and communication technologies in the process of teaching technology.

Currently, information and communication technologies are widely used in the teaching of almost all subjects. While technology lessons apply general didactic principles to other school subjects, they also have their own characteristics. Students engage not only in cognitive activities, but also in creative activities. The science of technology serves not as an object of simple study of labor tools and processes, but as an instructional tool, didactic material, and a technical tool of education that activates students' practical work. There are specific aspects of using modern methods of education, pedagogical and information and communication technologies in the process of teaching technology.

It is important to use advanced and modern methods of teaching, to apply new informational-pedagogical

technologies in order for students to fully master the science of technology. Use of textbooks, educational and methodical manuals, handouts, electronic materials, virtual stands and production models and models of machines in working condition, watching television and radio broadcasts on technology science, studied work methods, studying the information given in magazines and newspapers, using media tools to find terms related to the science of technology, performing didactic tasks from information sources (television, radio, audio-video recording, telephone) to be able to use; it is important to follow media culture when opening files. In the process of teaching this subject, when we use modern information and communication technologies of education, when we show presentations with the help of modern computer technologies in the practical training sessions, students will gain deeper imagination and knowledge by seeing. In our opinion, the use of information and communication technologies in technology classes has a great positive result. Because before, the teacher used to demonstrate the process of preparing items one by one during practical classes in technology classes, which required excessive time consumption and sometimes the teacher had to re-demonstrate. .

Another important aspect of the use of information and communication technologies is the formation of various labor skills by showing the training sessions "Master Classes" performed by our skilled carpenters, plumbers, cooks, tailors and craftsmen in various fields. it also provides an opportunity to start career guidance. We have shown some of the uses of information and communication technologies in technology classes above. In conclusion, if information and communication technologies are widely used in technology lessons, the quality of technology education lessons will be effective. The development of pedagogical technologies and their introduction into the educational process, as well as rapid exchange and improvement of information technologies creates an opportunity for a person to strengthen his professional training and skills. Nowadays, increasing the effectiveness of education using innovative pedagogical and information technologies in the process of innovative education is becoming stronger day by day.

### Methods of using innovative technologies in the educational process

Any effective lesson plan should include four key elements: These four key elements provide the teacher with greater opportunities to engage with students and encourage active student participation. provides.

-Interest-motivation-Presentation-presentation-Practice-practice-Result-mastery level check-Interest. In this part of the lesson plan, conduct a short game or activity with the students related to the topic of the lesson, which will attract their attention and create interest in learning the topic. The duration of this stage is usually around 4-5 minutes and it should be suitable for the topic to be studied. necessary.

### Presentation

This part of the lesson plan provides new material related to a new topic or information related to a part of the topic, evidence, is inextricably linked to the provision of rules. The goal is to increase students' knowledge of what they don't know based on what they know. If we are going to return the materials learned in the previous lesson, we will have to create them this time from a new creative point of view.

### Practice

In this part of the lesson, students should be taught practical thinking based on the knowledge they have acquired in the previous stage. It is advisable to prepare such types of practical training before the lesson. During the lesson, it is necessary to carefully observe the student's work, to pay attention to the correct assimilation of new information.

### The result

Discussing the newly learned material of the subject with students and involving them as much as possible in this process will lead to good results. If a rule, argument, law, demonstration, or procedure is unclear to students, try to explain it to them and make them feel that they understand most of its essence.

The use of innovative technologies in the above-mentioned presentation-presentation section helps the students to make the lesson understandable and clear, interesting. Today, the scope of information has greatly expanded. Lessons can be remembered by connecting lesson topics with everyday life events, using various innovative technologies. It is necessary for the teacher to fill the lesson with ecological hygiene knowledge to the students using innovative methods. Innovation in English means innovation, innovation, and technology is derived from the Greek words "technos" - art, skill and "logos" - science. Innovative technology means a new approach to educational forms, methods and methods. means bread.

If information and communication technologies are widely used in technology lessons, if lessons are taught from computers, if everything is as vivid as possible, for example, if lessons are conducted with miniature models of the topic, technology cards, the quality of technology education lessons will be effective. Innovative behavior does not imply adaptation, it implies the formation of one's own personality, self-development. The requirement of modern education is not to give students as much knowledge as possible, but to teach them to learn independently, to work independently, not only to know, but also to be able to use the obtained information in the right places, to achieve their goals. is to be able to choose the right one.

Today, the interest and attention to the use of innovative technologies, pedagogical and information technologies in the educational process is increasing day by day, one of the reasons for this is that until now, in traditional education, students were taught only to acquire ready-made knowledge. if encouraged, modern technologies teach them to search for the acquired knowledge by themselves, to study and analyze independently, and even to draw their own conclusions. In this process, the teacher creates conditions for the development, formation, learning and upbringing of the individual, and at the same time performs the function of management and orientation. In the educational process, the student becomes the main figure. Knowledge of pedagogical technology and pedagogical skills, Innovation (English innovation) is innovation. Innovative technologies are a

pedagogical process and a teacher and o introducing innovations and changes to the student's activity, and mainly interactive methods are fully used in its implementation. Interactive methods are called group thinking, that is, pedagogical methods are part of the educational content. The uniqueness of these methods is that they are implemented only through the joint activity of the pedagogue and the student. Such a process of pedagogical cooperation has its own characteristics, which include:

- forcing the student not to be indifferent during the lesson, to think independently, to create and search;
- to ensure that students have a constant interest in knowledge during the educational process;
- to increase the student's interest in knowledge independently with a creative approach to each issue;
- the organization of the activity of the teacher and the student in cooperation.

We believe that the main basis of pedagogical technology is the technology chosen by the teacher and the student to achieve a guaranteed result from the specified goal, that is, every educational technology used in the teaching process, to achieve a guaranteed result according to the goal if the teacher and the student can organize cooperative activities, both can achieve positive results, if the students can think independently, work creatively, search, analyze, and draw their own conclusions during the learning process, This is the basis of the teaching process if the students can evaluate themselves, the group, and the group can evaluate them, and the teacher can create opportunities and conditions for such activities.

One of the important tasks of today is to actively use advanced pedagogical technologies in the educational process, increase the effectiveness of education, analyze and put it into practice. It is extremely important to develop students' thinking, consciousness, worldviews, to turn them from free listeners to free participants. The teacher should be the leader in the lesson, and the students should become participants. In order to achieve this task, the advantage of innovative activity has a multifaceted effect.

Since primary education is the main link of general education schools, it is necessary to pay more attention to the perfect development of the student's personality in this process. Primary school teachers have unlimited responsibilities. They accustom the students who have just stepped on the threshold of school to school life and pave the way for them to receive modern education. Children's attitude to study and mental potential are formed in this period. This also shows that the task of primary school teachers is responsible.

Lessons organized on the basis of pedagogical technologies should meet the needs of the student according to organizational methods and delivery methods. Because such lessons are closer to the psyche of the child. Achieving the goal based on arousing students' interest, desire and desire to learn learning materials is motivation, which is the internal rapprochement of the teacher and students.

It is very important to develop students' motivation to study in the primary school. Because the motive makes students interested in the educational process, encourages them to actively participate in the lesson and acquire knowledge. Interactive methods greatly help to develop the motivation to study.

It should not be forgotten that it is necessary to take into account the age and level of education of more children in primary classes. It works best to teach them using simple, easy and time-consuming game exercises. Activities connected with the environment develop children's mind, outlook, free thinking, expressive ability, and independent work skills.

The peculiarity of the use of innovative technologies in the course of the lesson is that they are implemented through the joint activities of the teacher and students. The teaching process includes the activities of the teacher and students. The activity of the teacher is to explain the educational material, increase students' interest in science, deepen their thinking and form their beliefs, guide students' independent activities, check and evaluate their knowledge, skills and abilities. consists of A teacher who is passionate about his work has real passion.

It is known that in studying each subject of the lesson, it is necessary to choose specific technology, methods and tools.

In order to achieve a high result in the teaching process, it is necessary to plan the sequence of the lesson process in advance. In this case, the teacher should choose the specific aspects of the subject, the educational process and conditions, the needs and capabilities of the students, the level of knowledge, and the technologies used depending on the conditions.

**Main literature:**

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