USE OF ADVANCED METHODS AND INNOVATIVE TECHNOLOGIES IN PEDAGOGY

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Annotation:

This article provides a number of theoretical and practical suggestions on how to organize and manage students' learning activities based on pedagogical methods and new innovative technologies.

Keywords: Pedagogical technology, pedagogical communication, modern technical means, innovative projects, teaching technology, teaching aids.

Today, as in all fields, the education system is unimaginable without information technology. The 21st century is the age of information technology. One of the main tasks of the education system today is to acquaint students in a timely manner with the achievements in science and technology, as well as to protect students from the effects of various unnecessary information, the demands of the times and our national identity. attention will be paid to important issues such as educating a harmoniously developed generation.

The people who play the most important role in the development of science and education are the educators. In fact, everyone from a teacher to a professor is a teacher. The educator is the leader, which means that the task of us educators is to guide our students from the path of science, step by step, to help them reach the pinnacle of science.

Bringing up students in line with modern requirements is one of the most important tasks today. That puts a lot of pressure on teachers. The teacher must be an expert in his / her field, able to find rational solutions to problems, constantly work on himself / herself, create innovations, and have a worthy place in the hearts of students.

In order to educate the younger generation in accordance with modern requirements, the educator must have his own professional competence. It is a combination of professional and personal qualities necessary for successful pedagogical activity. A teacher who carries out his pedagogical activity, pedagogical communication at a high level, who can achieve a high level of stable results in the field of education of students, can be called a professionally competent teacher. Today, in our country, as in all spheres, great changes and reforms are taking place in the field of education. In particular, the material and technical base of schools has been strengthened, textbooks have been improved. Nowadays, it is hard to imagine teaching without information and communication technologies. Teaching based on new pedagogical technologies provides a basis for improving the quality and effectiveness of education.

The results of the teacher's work are reflected in the achievements of students not only in our country, but also in international science Olympiads and competitions. How well students learn and master the lessons depends in many ways on the skills of the teacher.

Today, there are about 200 types of new pedagogical technologies. The teacher needs to be able to choose how to use these technologies in their lessons. Today, as a result of the development of science, modern technology is coming. Frankly, the old literacy that we used to be proud of is no longer literate, that is, ordinary physical and mental labor has been replaced by complex skilled labor, potential labor that is compatible with the wonders of computers and the Internet.

In the development of education in our country, of course, we pay attention to the extensive use of the experience of developed countries. One such method is interactive methods. Interactive methods are based on the active, free and independent thinking of each student, and students acquire the skills and abilities to work independently with the help and collaboration of the teacher. Classes based on pedagogical technologies allow students to think and justify their views. Another important factor in the development of science and education is the use of ICT. Because you can't imagine modern teaching methods with ICT.

Currently, the creation of e-textbooks, virtual laboratory work and multimedia software in all disciplines expands the possibilities of using information and communication technologies in teaching subjects, effectively using the resources of teachers in the educational process. increasing the effectiveness of students 'in-depth mastery of subjects. In particular, sites such as ZiyoNet, Uzedu.uz,

Kitob.uz, established by the Ministry of Public Education, provide students with vivid imagery by showing videos during the lessons, as well as additional information in addition to textbooks. and through this the student is able to further strengthen the knowledge, skills and competencies of the students.

The transfer of information through animation increases students' interest in the lesson. Computer-generated exhibitions, presentations, and videos can be very effective in explaining a new topic. Elementary technology classes teach how to make a variety of flowers, models, birds, and creatures from colored paper, and how to make things from fabric. Processes such as making items from plasticine, making animal shapes and working in the method of application, mosaic are also carried out.

In addition to the gradual completion of practical work in technology classes, it is necessary to answer questions on the topic, perform quality work and follow safety rules. The use of new information technology by the primary school teacher in performing these tasks will be an important factor in achieving the intended goal.

It is also worthwhile if the teacher prepares a presentation on the safety rules used in technology classes and demonstrates them to the students in each lesson. Because after watching this presentation in each lesson, students will definitely remember it, follow it, and as a result, prevent various accidents. The effective use of information technology in the wider coverage of information about different professions and professions is highly effective.

The purpose of the lesson will be easier if the videos show the correct use of each tool, the economical use of raw materials, the use of cutting tools in accordance with safety regulations. Therefore, the teacher needs to master the pedagogical, psychological, lesson technology, teaching aids in technology lessons. Technology plays an important role in helping students to master the profession they are interested in in the future.

Pedagogical technology is a system of improving the educational process based on advanced tools, methods, techniques and methods. This system is created by the teacher and serves to link the stages of education. It includes defining its content and tasks, goals in advance, preparing forms and means of education, and planning lessons aimed at mastering the spiritual qualities that are to be formed in the student.

Today, about 80 innovative technologies and methods are used in the system of continuing education in Uzbekistan. For example: "Boomerang", "Design",

"Wheel" technology, "Cluster" method, "Summary" technology, "Problem-based learning technology", "Beer (fan) technology", "Problem", "Mini test method" "Scarab technology," Brainstorming "" Two-part diary No matter what subject a teacher teaches, there is always the question "How to teach". The solution to this problem depends only on the skills of this teacher.

Our goal is to instill in students an inner conviction and aspiration from the compelling call, "You need to know this," to say, "I need this, and I know it, and I can apply it to life."

All aspects of education should be organized in such a way as to provide young people with in-depth and sound knowledge and to teach them to think broadly. The essence of pedagogical technology is to engage students in learning and to achieve full mastery of knowledge. The main goal of the introduction of pedagogical technology is to ensure that the majority of students master the knowledge imparted in education. Pedagogical technology is based on the existing laws of the educational process, the peculiarities of the development of our country, the experience of historical development.

Pedagogical technology is essentially on a par with other technologies because they, like others, have their own field, methods and tools. However, pedagogical technology differs from production and information technology in that it represents a complex and incomprehensible pedagogical process as a field of knowledge related to the human mind.

Its distinctive feature is the integration of educational components. Pedagogical technology is constantly enriched by technological processes in other fields and takes on new opportunities to influence the traditional learning process and increase its effectiveness. The use of pedagogical technologies in the educational process requires, first of all, the development and democratization of pedagogical relations, because any pedagogical technology used without their implementation does not give the expected effect.

Pedagogical technologies increase the efficiency of the educational process, form the process of independent thinking of students, increase students' enthusiasm and interest in knowledge, strengthen the acquisition of knowledge, the formation of skills and abilities to use them in practice.

The traditional teaching system is described as "informative teaching" because it relies on written and spoken words, because the teacher's activity is not only as an organizer of the learning process, rather, it is being evaluated with an emphasis on becoming an authoritative source of knowledge.

Every educator today aims to bring up a comprehensively developed, mature, harmoniously developed generation and to provide our country with a worthy specialist. Therefore, it should be borne in mind that one of the main tasks is to organize the lesson on the basis of pedagogical technologies and to contribute to improving the quality and effectiveness of education.

The concept of "technology" was introduced into science in 1872 in connection with technical progress, and is composed of two Greek words: techno-art, craft and logos-science, doctrine, and "craft science". means nose.

Pedagogical technology is the process by which a teacher influences students through the use of teaching aids in specific contexts and, as a result of this activity, intensively shapes their pre-defined personality traits. Pedagogical technology is a systematic category that defines the technology of the educational process as a whole.

The most important elements of modern education have been formed since ancient times. The purpose, content, form, methods and tools of education are the traditional categories used to analyze the content of educational processes. It is these categories that emerge as the subject of pedagogical activity, which organizes the educational process in a particular subject, specialty or specialty. The above-mentioned pedagogical categories serve as a factor in systematizing the laws and criteria of purposeful pedagogical activity. The modern teacher must understand that he must be a "director" and not an "actor" in the classroom. To do this, he must be familiar with several new teaching methods.

In contrast to the careful development of the methodological development of the lesson, which encourages the teacher to work effectively, the educational technology is focused on the activities of the audience, which takes into account the individual and joint activities of students and teachers. serves to create the necessary conditions for independent learning of learning materials. The central challenge of educational technology is to ensure that educational goals are achieved through the development of the learner's personality.

By its very nature, pedagogical technology is a system in which the tasks of all stages and parts of the pedagogical process are programmed according to the division of time and provide a scientifically based and expected result.

It is also important to evaluate the effectiveness of the use of pedagogical technologies in education. Depending on the capabilities of pedagogical technologies, the effectiveness of their implementation in practice can be determined by a number of criteria.

These are:

- be able to integrate into the tasks of education, upbringing and personal development;
- be able to express the level of modern science and technology;
- ideologically relevant to the age and psychological characteristics of students;
- the training material is fully provided with the necessary information;
- provides an opportunity to use a variety of methods and tools in the teaching process;
- the principle of demonstration and openness of education to all;
- availability of easy-to-use and easy-to-use multifunctional educational tools;
- the degree to which the educator helps students to organize independent work effectively.

Skill is a trait acquired by an individual through experience. It is a theoretical level of professional skills based on flexibility and creativity in a field. Mastery is art, Mastery is research, Mastery is the ability to use pedagogical technologies, Mastery is the organization of the teacher's activity on a scientific basis and self-education. Ability is present in all people and is not uniform, one is high and one is low.

To be successful, every teacher must have pedagogical skills. The master of pedagogical skills works hard and achieves great results. Ability emerges and develops in the process of activity. Ibn Sina believes that the following rules should be followed in the process of education:

- go from simple to complex in teaching;
- taking into account the child's abilities and inclinations;
- perform exercises that give the child strength;
- combining education with exercise.

In conclusion, on the basis of pedagogical technology it is possible to organize and manage students' learning activities, and it can become a close assistant to the teacher or perform its functions in full.

As a result, logically connected shortcuts are made so that students make almost no mistakes and the student has the opportunity to reinforce them by announcing their outcome and to take new steps towards the full realization of the learning objective.

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