



## **METHODS OF EDUCATION IN VOCATIONAL EDUCATION THROUGH THE USE OF INNOVATIVE TECHNOLOGIES**

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<b>Received:</b> 7 <sup>th</sup> October 2021 <b>Accepted:</b> 7 <sup>th</sup> November 2021 <b>Published:</b> 15 <sup>th</sup> December 2021	The article analyzes the pedagogical methods of teaching in vocational education through the use of innovative technologies, its specific features, the need to develop a comprehensive concept of teaching aids on the basis of educational technologies, the use of innovative technologies in this concept.
<b>Keywords:</b> Vocational Education, Innovative Technologies, Cognitive Activity, Methods Of Education, Complex Teaching, Concept, Pedagogical Factors.	

### **INTRODUCTION.**

Today, as we enter a new third renaissance, the Republic of Uzbekistan is building an open democratic state governed by the rule of law, which forms a socially oriented market economy and raises it to the level of the world community.

At the same time, it is important to build a perfect education system based on the rich spiritual potential of the people and universal values, as well as the latest achievements of modern culture, economy, science, engineering and technology.

Today, the need for the introduction and mastering of pedagogical technologies in the education system is of particular importance. Therefore, it is formed on the basis of three different approaches to education.

It is known that in pedagogy, several teaching methods have been developed to increase the activity of students in the educational process; problem-based learning, performance-based games, role-playing, thematic learning, and so on. However, this does not mean that they are widely used in the public education system.

### **LITERATURE ANALYSIS AND METHODOLOGY.**

The issue of achieving an innovative nature of pedagogical activity in developed countries has been seriously studied since the 60s of the last century. In particular, H. Barnet, J. Basset, D. Hamilton, N. Gross, R. Carlson, M. Miles, A. Heyvlock, D. Chen, R. Edem, F.N. Gonobolin, S.M. Innovative activity, innovative approach to pedagogical activity, substantiation of innovative ideas and their effective implementation in practice, in the work of researchers such as Godnin, VI Zagvyazinsky, VA KanKalik, NV Kuzmina and VA Slastenin. the content of practical actions for their active use in pedagogical activity through awareness of pedagogical innovations created in the countries and the republic [1].

### **DISCUSSION.**

In our opinion, the reason for this is that the preparation for each lesson requires pedagogical research, high professionalism, creative approach and a lot of time. Typically, each such training scenario is unique and non-repetitive.

The verbal-visual approach to education has a great deal of experience and has been developed in parts, has served a tremendous service in the education system, and continues to improve, albeit slightly, but this improvement is limited by the laws of the approach. Reforms in the education system with the rapidly growing demands of science and technology lead to conflicts between the needs of society for the training of competitive personnel, personal development, the satisfaction of his desire for knowledge, and teaching methods.

Teachers of Uzbekistan are well acquainted with pedagogical technology and have their own skills in this area.

Comprehensive structural reforms in the education system should be strengthened by teachers of the republic through the development and application of advanced pedagogical technologies in the educational process. As mentioned earlier, this requires training our teachers in technological approaches to the educational process, which, along with the use of pedagogical technology, will enrich it with the culture, traditions and experience of Uzbekistan.

The peculiarity of pedagogical technology is that it designs and implements the learning process, which ensures the achievement of learning objectives. The technological approach is primarily reflected in the practical instructional structure that allows the implementation of the projected results, rather than the description. Methods such as goal-orientation, diagnostic testing of intermediate results, division of education into separate training boards are embodied in the idea of educational technology, which can be repeated over and over again to this day.

It mainly includes the following factors;

setting a common goal in education;

transition from a structured general goal to a specific goal;

initial (diagnostic) assessment of students' knowledge;

a set of educational activities (current adjustment to education based on communication with students at this stage) should be included;

evaluation of the result [2].

The technological approach to education is the most modern and widely used educational technology.

Educational technology is a relatively new term, but it is common in developed countries. Educational technology deals not with the idea, content, structure of educational work with young people, but with the effective implementation of the goals and objectives developed by the government in this area. Educational technology considers a set of tools that ensure the effective achievement of the intended educational goal. Therefore, it is important for professors and teachers to master the technology of educating students in accordance with government policy, aimed at the formation of a comprehensively developed highly intellectually and spiritually mature citizen.

"Comprehensive plan of educational work on the formation of general and professional culture of future specialists in higher and secondary special educational institutions" [3] is carried out on the basis of programming of educational work. This program is the product of the work of a group of scientists and teachers of educational institutions of the Ministry of Higher and Secondary Special Education. It is based on the instructions of the President of the Republic of Uzbekistan to strengthen the inviolability of Uzbekistan, to build its great future, to educate every student as a multifaceted and loyal person to the lofty ideals of the Motherland [4].

The program contains the following main educational directions and goals.

1. Civic education. Education of the highest national values and qualities, development of national self-awareness of the citizens of the Republic of Uzbekistan, taking into account universal values.

2. To cultivate the qualities that motivate people to take up a profession, to take personal responsibility and to strive for professionalism, to work and to constantly improve their skills.

3. Preparation for family life. Fostering a sense of responsibility and accountability to parents and siblings in the family.

4. Development of the student as an individual. Contribute to the all-round creative development of unique personal qualities and social image [3, p 5].

Modern educational technology - implements a comprehensive approach and adheres to the following mandatory requirements:

1. Pupils are affected in three ways - in thinking, intuition and behavior.

2. A positive result is achieved due to the integration of education (external pedagogical influence) and self-education.

3. Coordination of all means and activities involved in the educational process; social institutions, associations, mass media, literature, art, family, school, law enforcement agencies, communities - are a prerequisite for a comprehensive approach.

4. Certain qualities of the person are formed by a set of current educational work. These works must be explicit and multifaceted, and they must simultaneously carry out mental, physical, moral, aesthetic, and labor education in an integral way.

5. An all-round integrated educational approach requires a systematic approach and management of the educator. Management can be successful only if the external and internal factors involved in the educational process and their interaction are taken into account. Therefore, it is necessary to have a clear idea of the factors [5].

Well-known scientists of the Republic are striving to create scientifically based pedagogical technologies that are adapted to the socio-pedagogical conditions of the region and their application in educational practice [6].

In the process of educational work, it is important to teach students to think creatively, to change situations, to organize activities on the basis of free competition, and to use students in practical training on information technology, electronic textbooks, versions and multimedia. This requires making it an internal need for students to develop independence, free thinking, analysis of learning activities, and a clear definition of plans for future professional skills and computer literacy.

Innovative technologies are a set of new forms, methods and tools of the educational process based on a single system of scientific, theoretical and methodological. At the same time, the integration of new content, form, methods and tools ensures the integrity of goals, objectives, activities and pedagogical results, as well as the design and implementation of the learning process that guarantees the achievement of educational goals. The technological approach is primarily reflected in the practical instructional structure that allows the implementation of the projected results, rather than the description. Educational technology is based on reproductive teaching, in which the learning

process is focused on helping students master the movements in typical situations. In the process of reproductive education, the lesson is divided into specific sections, each of which shows the results that students need to know and learn. The study materials are divided into modules based on the purpose of the lesson and are based on the fact that students find concrete answers to specific questions in the learning process, and the question and answer form an integral result as they are interrelated.

In the process of teaching on the basis of a new approach, new thinking, effective forms and methods of student activity, it is necessary to organize their independent work. Such independent assignments teach students to think, to think comprehensively, to solve assignments based on their own life experiences.

In the process of lectures and practical classes, the problem situation is organized taking into account the interests of students, the level of knowledge, the scope of thinking. In order to achieve the main goal of creating a problem situation, it is advisable to use students' oral and written responses from time to time in assessing the situation.

The following results can be achieved by organizing discussion classes on the basis of innovative technologies, based on a wide range of knowledge, experience and independence from brainstorming games:

- independence, voluntariness and freedom of students are achieved during the lessons;
- students learn to defend their ideas and opinions, acquire the skills to communicate them to others;
- students learn to rely on and respect community opinion, and their sense of mutual respect increases;
- students become accustomed to independent work with research materials, research, creative use of effective forms and methods of teaching;
- students develop the skills of independent acquisition of knowledge, creative thinking and free thinking;
- learn to use information technology in the classroom, exchange ideas, critically analyze and compare pedagogical activities [7].

The most important elements of education that have been formed today have been formed since ancient times and have not lost their significance even today. The purpose, content, forms, methods and means of education are the traditional categories used to analyze the educational process in pedagogy. 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 laws and criteria of pedagogical and educational activity, which purposefully direct the mentioned pedagogical categories, serve as a systematizing factor.

The essence of the pedagogical process is reflected in the interaction of the teacher with the student, in which the teacher helps the student to overcome difficulties. The essence of pedagogical support is characterized by the direction and description of the pedagogical process, as well as the tasks to be solved in the formation and upbringing of the individual [8].

These tasks manifest themselves in situations such as reminding, showing, understanding, directing, justifying, advising, eliminating, empathizing, supporting the demanding.

The management of pedagogical technology is that it has the ability to plan, diagnose, summarize, correct the educational process. This achieves the expected result of education, saves time, which means the effectiveness of pedagogical technology. The validity of pedagogical technology means that the developed model should yield the same results when used by other educators.

In short, the effectiveness of education will reach a new level only if a new approach to the educational process is applied and creativity is introduced:

- the student's needs, inclinations, desires are met at the level of his abilities;
- increase the responsibility, accountability and duty of the student to the academic work;
- skills of independent acquisition of knowledge are formed;
- he is convinced that he can enrich his knowledge for the rest of his life;
- develops the ability to think freely;
- creates an environment in which an individual can quickly find his place in society.

To do this, we need to move from the compelling call to "you need to know this" to the student to awaken an inner confidence and aspiration that "I need this and I am able to apply it in life to know this" [9, p 23].

Thus, the use of innovative technologies in higher education prepares the ground for the activation of students' learning activities, the effectiveness of teaching, professional training of teachers, distance learning and computer literacy in teaching.

Modern learning technologies are complex interactive systems, which include a systematic set of operations and actions aimed at the acquisition by students of professional skills and abilities, personality traits, as well as the acquisition of knowledge, defined for educational purposes. In this case, the definition of educational goals should be based on the selection and development of content, the organization of educational processes, the definition of teaching methods and tools, as well as the level of qualification of teachers, the method of evaluating the results achieved. The integrated application of these criteria determines the nature of the learning process and its technology.

It is known that any pedagogical technology is based on new principles that develop education, and it should be focused on the formation of the student-student personality. The center of new pedagogical technology consists of the leader of the educational process and the teacher and the student who are the subject and object of this process. Therefore, the processes of interaction, cooperation, interaction between these two individuals should be at a high level, based on modern and national requirements [10]. To do this, the educational process, the requirements of the

teacher and the educational process, the principles and ways of organization and management of education, methods of mental and physical development of the student, cooperation with him, directing him to study and learning, must be equipped with methods of organizing, communicating with them, overcoming problems and disagreements, creating a creative, business environment in the classroom, accurate and accurate assessment of student performance.

Another important requirement for the organization of modern education is to achieve high results in a short time without spending excessive mental and physical effort. Delivering certain theoretical knowledge to students in a short period of time, developing in them skills and competencies in a particular activity, as well as monitoring the activities of students, assessing the level of knowledge and skills acquired by them, requires high pedagogical skills from the teacher.

### **CONCLUSION.**

Today, in developed countries, a great deal of experience has been accumulated in this area, which is called interactive methods.

In general, today, innovative technologies, information technology serve as the main means of teaching. Because their application ensures the active involvement of students in the learning process. Therefore, it is necessary to develop a concept of integrated teaching aids on the basis of educational technologies, and the use of new information technologies within this concept will lead to an effective learning process.

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