VARIOUS FORMS AND METHODS OF USING ADVANCED PEDAGOGICAL TECHNOLOGIES IN TEACHING CHEMISTRY

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Annotation

It is known that continuity and integrity put an end to excessive repetition in the education system, first of all, it expands the moral and intellectual potential of the society, and in addition, it ensures the stable development of production as a factor of improving the social and scientific and technical development of the state. During the development of pedagogical technologies and their introduction into the educational process, as well as the rapid exchange and improvement of information technologies, every person has the opportunity to strengthen his professional training and skills. The article describes various forms and methods of using advanced pedagogical technologies in teaching Chemistry.

Keywords: thinking, development of creativity, motivation, logic, creative thinking, education of the wise, new idea, freedom of thought, evaluation, child education.

The future of every society is determined by the level of development of the education system, which is an integral part of it and a vital necessity. Today, reforming and improving the continuous education system of our country, which is on the path of independent development, raising it to a new level of quality, introducing advanced pedagogical and information technologies to it, and increasing the effectiveness of education have been raised to the level of state policy. With the adoption of the Law "On Education" and the "National Program of Personnel Training", the basis of modern personnel training was created through the continuous education system.

It is known that the continuity and integrity of the educational system puts an end to excessive repetition, first of all, it expands the moral and intellectual potential of the society, besides, it ensures the stable development of production as a factor of improving the social and scientific and technical development of the state. During the development of pedagogical technologies and their introduction into the educational process, as well as the rapid exchange and improvement of information technologies, every person has the opportunity to strengthen his professional training and skills.

Formal education consists of a perfect combination of deep, well-founded education and training of various forms, methods, tools and directions of specialist personnel.

The quality of continuing education is ensured by the interrelationship between various components, the rational application of certain methods and techniques to the educational process.

The general pedagogical and didactic requirement for all stages of education is to improve the effectiveness of independent work based on the student's programming knowledge, imagination and skills, to increase their interest in scientific thinking and academic subjects, to deepen their professional knowledge, during theoretical and practical training. is to increase its activity. World pedagogical experience confirms that the possibility of modern pedagogical technologies to interest students in science and to increase their activity in independent work is unlimited.

Today's task of education is to teach students to be able to operate independently in the conditions of the information-educational environment that is increasing day by day, to use the flow of information wisely. For this, it is necessary to create the opportunity and conditions for continuous independent work.

While the Republic of Uzbekistan is on the way to building a democratic, legal and civil society, the main goal and driving force of the reforms implemented in the field of education is to educate a comprehensively developed person.

Until then, in traditional education, students were taught to acquire only ready-made knowledge. Such a method extinguished independent thinking, creative search initiative in students.

Today, the interest and attention to increase the effectiveness of education by using interactive methods (innovative pedagogical and information technologies) in the educational process is increasing day by day. Classes using modern technologies are aimed at students to find the acquired knowledge by themselves, study and analyze it independently, and even draw their own conclusions. In this process, the teacher creates conditions for the development, formation, learning and education of the individual and the team. In such an educational process, the student becomes the main figure.

and led practitioners to the idea that it is possible to try to turn the educational process into a technological process that gives a certain guaranteed result regarding the development of teaching.

The birth of such an idea created a new direction of pedagogical technology in the science of pedagogy.

Today, the main reason why special attention is paid to the use of pedagogical technologies in the educational process of educational institutions is the following:

First of all, in the scope of the opportunity to implement personality development education in pedagogical technologies, special attention is paid to the issue of implementation of

development education in the Law "On Education" and "National Personnel Training Program".

Secondly, pedagogical technologies provide an opportunity to widely introduce a systematic activity approach to the educational process.

Thirdly, pedagogical technology encourages the teacher to pre-design the technological chain, starting from the goals of the educational process, to the creation of a diagnostic system and control of this process.

Fourthly, since the pedagogical technology is based on the use of new tools and information methods, their use ensures the implementation of the requirements of the "National Personnel Training Program".

The correct introduction of pedagogical technologies in the educational process leads to the teacher acting as the main organizer or consultant in this process. This requires more independence, creativity and willful qualities from the teacher.

The use of any pedagogical technology in the educational process depends on the individual character, who is teaching the student and who is being taught by the teacher.

Trainings conducted on the basis of pedagogical technology satisfy the desire of young people to express their attitudes towards important life achievements and problems, and create an opportunity for them to think and justify their points of view.

In order to solve the problems faced by the educational system in the current innovation processes, we need independent and free-thinking people who are able to absorb new information and evaluate their acquired knowledge.

Therefore, the role and importance of modern teaching methods, interactive methods, innovative technologies in the educational process of educational institutions is incomparable. Pedagogical technology and the knowledge and experience of their use in education ensure that students have knowledge and advanced skills.

Innovative technologies are the introduction of innovations and changes to the pedagogical process and the activity of teachers and students, and interactive methods are mainly used in its implementation.

Interactive ("Inter" means mutual. "act" means to act) - means to act mutually or to be in conversation with someone. In other words, interactive teaching methods are a special form of organizing knowledge and communicative activity, in which learners are involved in the learning process, have the opportunity to understand and think about what they know and think. will be The role of the teacher in interactive lessons leads to directing the activity of students to achieve the goals of the lesson.

One day, a man who was hungry by the lake met a wise man who was catching fish and turned to him: "I am hungry, help me!" , the wise man replied: "I can give you fish, you will be full quickly and after a while you will be hungry again and you will ask me for help again. I can

give you a fishing rod, but it might break at some point, and you'll have to come back to me. Well, I'll teach you how to make a fishing rod, it's long and hard, but you won't need my help later. Choose your own path..."

The conclusion from the above narration is that a good teacher should teach a student to "make a fishing rod" and a smart student should learn it. The faster and stronger the students learn to "make a fishing rod", the more they will have their own "fishing" without needing others. The results of many pedagogical experiments carried out by researchers in various educational institutions confirm that new interactive and non-traditional pedagogical technologies are very useful in the implementation of such tasks. Therefore, it is very important for teachers working in educational institutions to know how to use innovative technologies in their field of training.

The essence of style. This method is the memorization by students of all the subjects of the subject or department that has been passed (quarter, semester or academic year ended), and the concepts given by the teacher on any subject are studied independently. z giving comments, thereby creating an opportunity to check and evaluate their own knowledge, and the teacher is directed to be able to evaluate all students in a short time.

The purpose of style. To determine the level of students' mastery of the topic taught in the training and mastery of basic concepts on the topic, to be able to express their knowledge independently, to be able to evaluate their own knowledge level, to be able to work individually and in groups, to respect the opinion of peers, as well as teach to organize one's own knowledge.

Application of the method: assessment of mastery of the subject in all types of training sessions (at the beginning of the lesson or at the end of the lesson, or at the completion of any section of the subject), repetition, reinforcement or intermediate and final It is intended for control, repetition, to check students' knowledge before starting a new topic. This method can be organized in the training process or in a part of the training in the form of individuals, small groups and teams. This method can also be used for homework assignments.

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