



USING THE METHOD OF INTERACTIVE AND INNOVATIVE TECHNOLOGIES IN THE EDUCATIONAL PROCESS

Aziz Akbarov,

Candidate of Pedagogical Sciences, Associate Professor,
Fergana State University, Uzbekistan, Fergana city

Abstract

Fundamental changes in the educational process in our country require accelerating the development of the educational sphere in every educational institution. It is safe to say that pedagogical technologies will become the main source of innovation in education in the coming years. Now, as a result of the development of science, technology and innovative technologies, interest, attention to improving the effectiveness of education, the use of interactive methods (innovative pedagogical and information technologies) in the educational process, is gaining momentum day by day. Training, in which modern technologies are used in the education system, is aimed at independently finding the knowledge acquired by young people, independently studying and analyzing them, evaluating their knowledge, making the right conclusions.

The article highlights important aspects of achieving the effectiveness of teaching, as well as the use of pedagogical technologies in the educational process. And, in particular, the importance of interactive methods and methods of innovative technologies was investigated.

Keywords: methodology, innovation, pedagogical skills, innovative technology, interactive method, modernization.

INTRODUCTION

In the context of globalization, education occupies an important place in the formation of qualities inherent in the comprehensive education of a person, a qualified specialist. Today's rapid period dictates the creation of the necessary conditions for the training of students, including students, in a short time and with reasonable data, so that they thoroughly master the basics of various sciences.

MAIN PART

In contrast to the careful development of the methodological part of the lesson, which encourages teachers to work effectively, educational technology is aimed at students' activities, which serves to create the necessary conditions for students to





independently master educational materials, taking into account their personal and joint activities with the teacher. The central problem of educational technologies is to ensure the achievement of the educational goal through the development of the student's personality. As noted by the President of the Republic of Uzbekistan Shavkat Mirziyoyev: "We are well aware that today's era is a time of high technology and innovation. Developed countries around the world set themselves the task not only to produce a large number of products and bring them to market, but also to move to an innovative economy based on deep knowledge and scientific achievements. That is, the development of its economy not by spending existing natural resources, but by creating, mastering and introducing advanced technologies into the production of innovative products becomes the main factor of development. Strategies and mechanisms of innovative development of a country are most closely related to how effectively they use the intellectual and scientific and technical potential created in this state"[1, 168].

The use of the method of interactive and innovative technologies in the educational process is currently increasing day by day the emphasis on the application of interactive methods, innovative technologies, pedagogical and information technologies in the educational process. One of the main reasons for this to happen is that until then, in traditional education, students are taught to acquire only ready-made knowledge, while modern technologies teach them to search for the knowledge they are acquiring, study and analyze independently, and even draw conclusions themselves. The teacher creates conditions for the development, formation, knowledge and upbringing of the individual in this process, and at the same time performs the function of stewardship, orientation. In the educational process, the student will be the main focus. Therefore, the role and role of modern teaching methods - interactive methods, innovative technologies in the preparation of qualified professionals in the faculties of higher educational institutions benihoya is great. Knowledge, experience and interactive techniques related to pedagogical technology and pedagogical skills ensure that students are formed with an educated, mature qualification.

"The laws of in-depth reflection are important in educational work. If the degree of developed reflection depends on the teacher's ability to plan his activities, intelligence, independence, organization, then in order to regularly develop developed reflection in students, it is necessary to constantly cultivate their mental qualities in academic work" [2, 17].

"One of the important requirements for the teacher's personality is that it is necessary for him to be deeply aware of the objects he teaches, so that he masters his





methodology. Deep knowledge of the subject and its theory, the ability to convey it to readers as interesting, increases the interest of children in this subject. Increases the reputation of the teacher. Students not only appreciate the possibilities of the teacher's knowledge in order to be able to convey this knowledge to children, but also appreciate his interest in this subject, his dedication"[3, 40].

THE DEGREE OF STUDY OF THE SUBJECT

Interactive methods are called collective thinking, that is, methods of pedagogical influence are a component of the content of Education. The peculiarity of these methods is that they are carried out only through the joint activities of educators and students. The process of such pedagogical cooperation has its own characteristics, which include:

- forcing the student not to be indifferent during the lesson, to think independently, create;
- to ensure that the student has constant interest in knowledge in the educational process.

In the educational process, the student requires skill from the student to evoke thought. Right thinking means creativity. That is why the teaching process in pedagogy is twofold: it consists of the sum of the teaching and teaching activities of the teacher performed by the student. Not denying this rule, the content of modern education assumes a combination of universal and national experiences.

Modern teaching technologies are mainly based on a personality-oriented approach, which involves not only taking into account the individual characteristics of students, but also a differentiated approach to learning. This approach requires the definition of one's own educational goal, awareness of the personal educational trajectory and the creation of a personal educational product that reflects the student's practical experience in mastering the means of activity, as well as his own creativity.

Today, it is important for educators to have innovative activity skills, qualifications. They are required by educators to have an innovative approach when they are able to master the skills, competencies of innovative activities. In its essence, the acquisition of skills and abilities of innovative activities by educators is guided by the decision-making of an innovative approach in them.

Any innovation finds its realization through technology. Thus, innovative technology is a technique and process of creating something new or improving an existing one in order to ensure progress and increase efficiency in various spheres of human activity. We should look at innovation not as a novelty of any type, but as a factor that seriously increases the efficiency of the existing system. Contrary to common misconceptions,





innovations differ from discoveries. Today, instead of the traditional and public-looking educational and educational processes in the school and higher education system, innovative processes are entering, which are a kind of innovation in the development of educational institutions.

Innovative technologies in education are a kind of mechanism by which new means and methods of the educational system are involved, implemented in the real world. Now many people are familiar with such concepts as “interactive technologies and methods”, “innovations”, “multimedia educational materials” and many others. Currently, other areas of activity, including the educational sector, having switched to the path of innovation of production development, performed the function of training only leaders for them. But in fact, a different look is visible. Previously, there were enough innovators for society that were not so much and formed independently. For the educational technologies listed above, innovators were only educators, and their innovations were aimed at the formation of the necessary qualities in students, while the focus was not on the orientation of innovative thinking and ability to the activities of innovation. The comments call for a separate look at the concepts of “innovation education technologies” and “innovation education”, separated in the following way:

- innovation educational technologies and programs-this is the result of the activities of pedagogical innovation, which creates and develops all educational technologies;
- innovation education is such innovation educational technologies and programs in which the educator is the result of innovation activity, and those who are taught are the creators of innovation ideas (generation).

The methods used do not work so effectively in relation to the new generation of students. Standardized education does not take into account the individual qualities of the child and the need for creative growth.

“Personality-oriented education does not imply the adaptation of the student to the educational system, but rather the creation of necessary conditions for his comprehensive development, maturation as a person, taking into account his individual characteristics. This type of education is necessary for students to develop themselves, gain independent knowledge, be able to fully manifest their inner capabilities, abilities, create the necessary conditions for increasing cognitive activity. Students will have the opportunity to take a creative, critical approach to mastering educational material in the process of personality-oriented education, to advance new ideas, justify them, defend their opinion, find an effective solution in problem situations, master knowledge, skills, qualifications. The use of various active





techniques with an innovative nature in the educational process by an educator, serves to develop students, to further develop their abilities”[4, 8].

Despite a number of problems that are not solved in the old ways, there are difficulties with the introduction of innovations. The teacher should understand that the introduction of innovative methods helps not only his pupils to assimilate the material more effectively, develops their creative potential. But it also helps the teacher to realize his own intellectual and creative potential.

CONCLUSION

Consequently, the development of science, technology, production and technology leads to fundamental changes in the education system. Modernization of the education system takes place based on the needs of the state and society for qualified personnel, and the individual - for quality education. The use of pedagogical technologies in educational practice is a structural element of the modernization of the education system. In modern conditions, the technologization of educational processes makes it possible to achieve the expected result with minimal effort and time, improving the quality of education and increasing its effectiveness.

Pedagogical innovations characterize the consistent introduction of innovations into pedagogical activity. According to the didactic capabilities of pedagogical innovations, the educational system and process develop. The innovative activity of the teacher manifests itself as a force that drives the pedagogical community, pushes forward, encourages creativity, guarantees the quality of the educational process. Therefore, it is necessary that each teacher is able to consistently apply the essence of innovations to his activities, fully understanding them.

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