

## The Importance of Using Innovative Methods in Increasing Educational Efficiency

**Shodmonov Bakhtiorkhoja Isakhonovich**

National center for training pedagogues of Tashkent region in new methods, Head of the Department of Social Sciences, Associate professor, etc

### Article Information

**Received:** Oct 26, 2023

**Accepted:** Nov 27, 2023

**Published:** Dec 28, 2023

**Keywords:** *innovation, interactive methods, ICT, method, new pedagogical technologies, interactive education, innovative technological education, innovative technologies, learning, learning. 'traditional education*

### ABSTRACT

*In this article, the importance of innovative educational technologies in today's advanced educational conditions, the use of effective cost-saving methods of education. How to use innovative technologies in education, the ability to regulate learning and direct it in the right direction, the fact that educational technologies are the leading mechanism of forming a modern personality, the difference of the modern educational environment is understandable, dishonest criticality. types of education, introduction of ICT to the content of the educational process, advantages of innovative methods in increasing educational efficiency are studied.*

### INTRODUCTION

Innovative technologies in education allow to regulate learning and direct it in the right direction. People have always been afraid of the unknown and new things, they reacted negatively to any changes. Stereotypes that exist in the public mind, affect the usual way of life, lead to painful events, try to update all types of education. The reason why people do not want to accept the innovations in modern education is because of the necessity of life for convenience, security and self-affirmation. Innovative behavior does not mean adaptation, it implies the formation of one's own personality, self-development. The teacher should increase the fact that innovative education is a way to educate a well-rounded person. "Ready-made templates" are not suitable for him, the experience of constantly improving his intellectual level. A teacher who is free from "complexes" and psychological barriers is ready to be a full-fledged participant of innovative changes. One of the tasks of a modern school is to reveal the possibilities of all participants of the pedagogical process, to develop their creative abilities. to do It is impossible to solve these problems without changing educational processes, in connection with this, deep scientific and practical improvement is required. Scientific and financial improvement is required. are available. Nowadays, innovative technologies, interactive methods, pedagogic and information technologies are used in the educational process and deserve attention. is growing, one of the reasons for this is that, until now, in traditional education, students were taught to acquire only ready-made knowledge, modern.

technologies allow them to search for their own knowledge, study and analyze independently, and even come to their own conclusions. The teacher in this process of the person's rit creates conditions

for development, formation, learning and upbringing, and at the same time, it is a managerial function, a destroyer.

The place and role of innovative technologies is immeasurable. Knowledge, experience, and interactive methods of pedagogical technology and pedagogic skills are necessary for students to acquire advanced skills.

INNOVATION (English innavation) is innovation, innovation. Innovative technologies are a pedagogical process and the activity of teachers and students, learning. mainly interactive methods are fully used in the development. Interactive methods are called group thinking, that is, they are methods of pedagogical influence and are a component of educational content. The uniqueness of these methods is that they are implemented only through the joint activity of pedagogues and students. 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;
- Ensuring that pupils-students constantly have their capacity for knowledge during the educational process;
- Increasing the student's ability to learn independently and creatively approach each issue;
- Organizing the activities of the teacher and the student in cooperation.

Education is rising to a new level, students' level of thinking is expanding, information is getting easier, innovations in the education of reading in the process of such growth increase the effectiveness of the lesson. Today, the scope of information has expanded a lot. If the teacher does not work on himself, his previous knowledge will not be enough. Lessons can be memorable if lesson topics are connected with daily life events, and various innovative technologies are used. It is necessary for the teacher to fill the lesson with ecological-hygienic knowledge to the students using innovative methods.

Innovative education is the creation of new ideas, norms, rules, innovations, ideas created by individuals. Education that creates a name is considered. Educational innovations are forms, methods and technologies used in the educational process to solve existing problems based on a new approach. Characteristic of the innovative lima lima in order to strengthen the educational activities of students in modern conditions, to increase the quality of teaching and to improve its efficiency. is suitable for the purpose. Today, practical games, problem-based learning, interactive learning, module-credit system, distance learning, mixed learning and skill classes are recognized as innovative forms of education. is being done. Based on the modern approach and innovations, the task of transferability should be to take into account and develop the individual ability of the student. In the conditions of the acceleration of scientific and technical development, it is necessary to accelerate teaching, to accelerate teaching, to fully use the teaching of teaching in order to prepare specialists who meet its growing requirements. This is in the process of providing information, methods of systematization and classification of educational materials, computerization of teaching, use of educational television, etc. When using innovative technologies, the teacher must have the following knowledge:

Having knowledge, skills and qualifications in ICT;

To be part of foreign experiences in YAPT (new pedagogic technology):

Ability to use didactic games and interactive methods in organizing the educational process;

Mastering knowledge of advanced pedagogical technology;

The technology of turning knowledge into skills and competencies has been formed;

Ability to effectively use action games during the lesson;

If possible, be able to connect the lesson to the Internet;

He works tirelessly on himself, follows the news in every field, and more.

As the teacher organizes the lesson based on innovative technologies, it is possible to use different technical means (computer, projector, electronic board, etc.). The more innovations there are in the teacher's activity, the more the content will increase. Innovative technologies and interactive methods are important in education. It should also be recognized that it does not have the form I. Every teacher can be updated individually.

## **ANALYSIS OF LITERATURE ON THE SUBJECT**

In the process of analyzing this article, pedagogic scientists can refer to the works of K. D. Ushinsky, the "teacher of Russian teachers" and the modern innovative innovation of A. Nikolskaya. Methodological source of published works was designated as a. The famous pedagogue A. Nikolskaya said that innovative technologies come from the teacher's dissatisfaction with his work. The main purpose of using innovative technologies is to make teachers and students interested in learning, learning, learning, using ICT and didactic materials. can bring the ability to harmonize with. According to A. Nikolskaya, pedagogical innovation is innovation in pedagogical activity, changing, changing, learning the content and technology of teaching and upbringing. Thus, the innovative process is an example of the formation and development of the content organization of the new.

## **RESEARCH METHODOLOGY**

As we know, the innovative process is the process of creation (birth, development), development, use and distribution of innovations. There are different types of innovations, depending on the criteria by which they are divided. In the development of education, innovative processes are carried out in the following directions: formation of new educational content, new pedagogy and economical work. creation of new types of educational institutions. According to the private news V.A. Slastenin, in the current modernization, a certain system product envisages updating one of them. Conditional innovation is the combination of certain elements that lead to complex and progressive innovation. Innovation is a tool: a new method, methodology, technology, etc. V.I. Zagvyazinsky, describing his new concept, said that fire in pedagogy is not only an idea, but also unused approaches, methods, savings, savings, savings, fluctuations are the vowels of the moment taken together or separately, and education in changing conditions and situations. and reflects the advanced beginnings of effectively solving educational tasks. Pedagogical innovation is the development, introduction, and testing of innovations in the field of education that help to effectively achieve these goals. Among them: the educational process changes over time, the labor market makes new demands on future employees, and training is carried out, and new pedagogical methods, methods and methods are needed to achieve this. necessary

In addition, the professor-teacher of a number of educational institutions is engaged in the current practice of innovations that have become the history of pedagogical thought. For example, M. Montessori, R. Steiner, and others, alternative education systems at the beginning of the 20th century. Currently, various pedagogical innovations are used in school education. It depends, first of all, on the traditions and status of the institution. Nevertheless, the most characteristic innovative technologies are the following.

1. Information and communication technologies (ICT) in science education. The current development of ICT in the content of the educational process implies the integration of various disciplines with informatics, which leads to an increase in the process of informationalization of education (from its professional point of view). It is very important to be aware of the emerging trend in the process of informatization of the school: informatics becomes important by school student performances. increasing, to the use of computer programs in the study of general education subjects, and then to the structure. to fill and fill. content of technologies. As a result, new information technologies appeared in the methodological system of the school, and new information technologies can change the future work of school graduates in white

This direction is implemented by introducing new subjects aimed at learning informatics and ICT

into the curriculum. The experience of using ICT in schools has shown that:

- a) the information environment of the open school, including various forms of distance education, includes the use of students to learn science subjects, especially the project. withers;
  - b) informatization of teaching is attractive for the student, because the psychological stress in school communication is from the subjective relationship "teacher-student" to "student-computer teacher teacher teacher". efficiency of students' work is carried out. will increase, the share of creative work will increase, the opportunity to receive additional education in the subject within the walls of the school, etc in the future, a targeted choice of a higher education institution, a prestigious profession is made;
  - c) informatization of teaching is attractive for the teacher as it allows him to increase his labor productivity and increases the general information culture of the teacher.
2. Person-oriented technologies in the teaching of science. Person-oriented technologies provide a child's personality with the whole educational system of the school, the taste of comfortable, conflicting and safe conditions. It realizes its natural potential. In this technology, the child's personality is not only a subject, but a priority; it is a goal of learning ability, not a means to some abstract goal.

This is reflected in the development of individual educational programs in accordance with the capabilities and needs of students.

3. Providing information and analysis of the educational process and managing the quality of schoolchildren's education. The use of such innovative technology as an information-analytical methodology for the management of the quality of education is tested individually for each child, for the whole class. allows for objective observation. With some modifications, it can be used to prepare general control of the class, to study the situation of teaching any subject of the curriculum, to study the work of an individual teacher.
4. Monitoring of intellectual development. Analyze and diagnose the quality of education of each student, test the dynamics of development and create graphics.
5. Educational technologies as a leading mechanism of forming a modern student. It is an indispensable factor of the modern educational environment. It is carried out in the form of involving students in additional forms of personality development: national traditions, theater, children's creativity vrajani vrkazyvali. participation in adbirs.
6. Didactic technologies as a condition for the development of the educational process of educational institutions. Both already known and proven techniques and new ones can be implemented here. These are independent work with the help of textbooks, games, design and protection of projects, teaching with the help of audiovisual technical means, "consultant" teaching group - learning of the "consultant" system, group, application of methods. system and management. Usually, various combinations of these methods are used in practice. ...
7. Psychological-pedagogical provision of the introduction of innovative technologies to the school education process. A scientific-pedagogical justification of the use of some innovations is provided. Their analysis in methodological councils, seminars, consultations with leading experts in the field. Thus, modern school experience has the widest arsenal of pedagogical innovations in the educational process. The effectiveness of their application depends on the traditions established in the educational institution, and the improvement of technical knowledge of professors and teachers in understanding these innovations. Today, many teachers use modern technologies and innovative teaching methods to achieve educational effectiveness at school. These methods include active and interactive forms of teaching. It ensured the active position of the active student towards the teacher and those who study with him. During the lesson, they use textbooks, notebooks, computers, that is, individual tools used for teaching. Thanks to interactive methods, there is an effective acquisition of knowledge in cooperation with other students. These

methods belong to collective forms of teaching, during which a group of students works on the studied material, and each of them points out when it is done. Interactive methods help to master new material with high quality. These include: - creative exercises; - group assignments; - educational, role-playing, business games, imitation; - lessons, excursions; -class meetings with artists and experts; - activities aimed at creative development - performance classes, filming, publishing newspapers; - use of video materials, Internet, viewing; - solving complex questions and problems using "decision tree", "brainstorming" methods. Therefore, innovative methods of teaching at school help to develop cognitive load in children, to learn to consolidate and generalize the studied material. By perceiving and processing the acquired knowledge, students will have the skills to apply them in practice, experience communication. Undoubtedly, innovative educational methods have advantages over traditional methods, because they contribute to the development of the child, increase his knowledge and decision. Teaches independence in learning.

## ANALYSIS AND RESULTS

In the educational process, the use of interactive methods, innovative technologies, pedagogic and information technologies in the educational process has increased, and one of the reasons for this is that, until now, in traditional education, students were taught to acquire only ready-made knowledge. If they are taught, modern technologies will search for their knowledge, their own knowledge. to analyze, even come to conclusions themselves teaches them to release. In this process, the teacher creates conditions for the development, formation, learning and education of the individual, and at the same time, he has a managerial function and guides.

In the process of education, the student becomes the main figure. modern teaching methods - interactive methods, innovative educational technology in the training of qualified professionals in higher educational institutions and faculties. Knowledge, experience, and interactive methods of pedagogical technology and pedagogic skills ensure that students acquire knowledgeable, mature skills. Modern educational development has brought a new direction - innovation activity to the field. By the 21st century, which is considered the age of information - highly developed technologies, he paid attention to the issue of wide implementation of innovation in the educational process. In Uzbekistan, in recent years, innovation has entered the education system as the first compared to other fields, and innovation has become part of the educational process. we can reap. The entry of innovation into the system of pedagogical sciences was determined by the following.

a) Gender pedagogy; b) Heuristic pedagogy;

c) Compulsory pedagogy; g) Androgical pedagogy

- We see the introduction of active, passive and interactive methods of innovation into teaching methods. If the use of the active method serves to increase the students' activity in the course of the lesson, the passive method is explained by the one-sided understanding of the students. The interactive method means joint active action (teacher and student, student and student).
  - We can see the introduction of innovation into the form of lessons in the example of standard, non-standard and virtual lesson forms.
  - Problem-based learning, heuristic learning, graded learning, integrated learning, interactive learning, informal learning, informal learning, informal learning, informal learning, learning. ri is available.
  - Multimedia, electronic boards and other tools can be used as an example of innovation in teaching tools.
  - We can see innovation in teaching methods in the following methods.
1. Active method - encourages students to be active during the lesson, to think and reflect on a certain situation and reality.

2. Passive method - leads to the formation of a one-sided understanding of the studied subject in students during the lesson.
3. Interactive method. The purpose of this method is based on the joint active behavior of the teacher and students during the lesson.

We can see the innovation of the lesson in the following form.

- a) Standard lesson - the structure of the lesson does not change.
- b) Non-standard lesson - the structure within the lesson changes.
- c) Virtual lesson - i.e. distance learning. The concept of "new" occupies a central place in pedagogical innovation. work, in pedagogic science, arouses movement to private, conditional, local and subjective innovation.

Innovations in education help to achieve the following goals: Humanization, democratization of the educational process;

activation of students' cognitive activity;

Improving the effectiveness of the organization of education and training;

Changes of educational material from the point of view of methodology and didactics.

An approach to education is a set of basic principles, requirements, and goals that form the basis for new technologies.

The requirement of modern education is not to give students as much knowledge as possible, but to make them learn by themselves, not only to know, but also to communicate. .

Pedagogical innovations are based on two main approaches:

A student-centered approach implies that the educational process should be directed to the individuality of each student. Modern pedagogy should take into account the unique experience and character of each student, develop his individuality and talent. The implementation of this approach involves relying on the principles of choice (no wire), creativity and success, subjectivity, individuality;

## **CONCLUSION**

In short, innovative technology is scientific research, creation of developments, experience.- is an expression of imparting new knowledge to students by conducting test work or using other scientific and technical achievements. In addition, the effectiveness of education increases through interactive methods, mutual cooperation between the teacher and the student; students developed and formed free creative thinking skills. In this innovative approach, the student becomes a central figure in education. This process of using innovative technologies is used in the teaching process in the life of education, as a result of which students gain deep knowledge, new thinking, updating, thinking, updating. are achieving effective results in increasing their scientific potential together with increasing their level of education.

## **LIST OF REFERENCES:**

1. Active and interactive educational technologies in higher education (forms of conducting lessons): textbook / comp. T.G. Mukhin.-Nizhny Novgorod: NNGASU, 2013.-97 p.
2. Gushchin Yu.V. Interactive teaching methods in higher education // Psychological journal of "Dubna" International University of Nature, Society and Man, 2012. - No. 2. - P. 1-18.
3. Zakharova, I.G. Information technologies in education: a textbook for higher education. educational institutions / I.G. Zakharov. - M.: "Academy", 2008., p. 338
4. Abdukadirov, R. Ishmuhammedov. "Innovative technologies in education" T.: 2008. - 128 p.

5. Mavlanov. and others. Educational technologies in the organization of training sessions. Study guide. "Tafakkur bostoni" publishing house, Tashkent, 2013. - 142 pages.
6. B.H. Rakhimov., A. Mavlyanov., V. Choriev. and others. Pedagogical technologies in schemes. Study guide. - T.: Science and technology., 2009. -124 p.