



INCREASING EDUCATIONAL EFFICIENCY USING INNOVATIVE TECHNOLOGIES

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Article history:	Abstract:
Received: 6 th February 2023 Accepted: 6 th March 2023 Published: 10 th March 2023	In the conditions of the modernization of the educational system in Uzbekistan, it is necessary to look for new opportunities that show the activity and importance of the process of organizing lessons. The article describes the innovative approach of the teacher in the teaching process in today's education system and its impact on the effectiveness of the lesson.
Keywords: Innovative approach, information - communication competence, process, distance education, informatics, active.	

INTRODUCTION. It is observed that the positive experiences of developed countries guaranteeing high efficiency in the field of education are rapidly entering the processes of modernization of the continuous education system. This situation creates the need to improve not only modern conditions, but also the professional training of teachers, who are the main subjects of the educational process. Classes using modern information technologies are aimed at increasing student activity. In this process, the teacher creates conditions for the development, formation, learning and education of the individual and the team, as well as performs the role of manager and guide.

Teachers have a great responsibility to teach students to think independently, to observe, to read. A teacher should help students acquire knowledge independently from teaching to teach reading, from giving knowledge. That is, the teacher should teach the student to create a need, to create an environment and to feel responsibility for it. It is necessary for the teacher to activate initiative, independent thinking, thorough knowledge of his subject, ability to cultivate observation and creative imagination. The use of advanced technologies by a qualified teacher in his work leads to the acquisition of high knowledge, skills, qualifications and competencies in students. It is necessary for the teacher to be able to reform the innovations and changes occurring in his subject. In a broad sense, any change in the educational system can be considered a pedagogical innovation

MATERIAL AND METHODS: As a result of the adoption of the "Law on Education" and the "National Personnel Training Program" in our country, the introduction of modern information and pedagogical technologies into the educational process and the use of computer capabilities to increase the quality of education, modern education related to the educational process - the need to carry out scientific-research works aimed at the development of control programs has increased.

M. Aripov on the creation of theoretical and practical foundations of the use of informatics and information technologies and pedagogical technologies in the educational system of our republic in the process of improving the quality of education, the use of innovative methods, the theoretical foundations of the use of non-traditional methods, group and individual methods in the educational process, A.A.Abdukadirov, M.Lutfullaev, N.I.Tailakov, U.Sh. Begimkulov, R.Kh.Djuraev, S.Gulomov, A.Sattarov, H.T.Omonov, N.Azizkho'jaeva, Z.Mamajonova, M.G.Voinova, N.Kh.Khojaev, S.A.Madyarov, E.U.Eshchonov, O'.Q.Tolipov, M.Usmonboeva, M.B. Khattabov's works can be mentioned.

RESULTS: INNOVATION is innovation. Innovative technologies are introducing innovations and changes to the pedagogical process and the activities of teachers and students, and mainly interactive methods are fully used in its implementation. 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 the pedagogue and students.

Also, innovation requires the introduction of something new, both as a tool and as a process. In relation to the pedagogical process, it is the introduction of new goals, content, methods, new forms of education, and the collaborative activity of educators and learners.

Innovative process is the activity of creating a pedagogical innovation, which is used in educational practice and this innovation is disseminated. Innovative activity is the adoption of innovation by educational institutions, which leads to the design of a positive change and improvement of the state of the educational system. An innovative approach to improving education means the introduction and use of pedagogical innovations in the educational process of secondary schools.

In order to solve the problems faced by the educational system in today's innovative processes, we need independent and free-thinking personnel who are able to absorb new information and evaluate the acquired knowledge by themselves, who make the necessary decisions. Improving the quality and efficiency of the educational process largely depends on how well it is provided with educational tools. Tools that help in the implementation of the educational process are called educational tools. Educational resources are divided into three categories: tangible, technical, and printed learning materials.

Tangible educational tools include all tangible tools used in teaching, in particular equipment, tools, ready-made products, etc. Technical tools include a projector, movie camera, educational television, VCR, computer, video films, multimedia, and others. In addition, technical equipment includes a classroom blackboard, a blackboard stand, a blackboard-notebook, overhead projectors. Printed learning materials include all printed learning and visual materials. Including textbooks, training manuals, handouts, worksheets, control (test) sheets, lecture texts, tables, guide maps, assignment cards, etc.

It is necessary to determine in advance what tool the student will use and what tool he will use based on the purpose and content of the lesson. The most used and least expensive tool in the educational process is a simple blackboard. Educational discussions in blackboard classes are a teaching tool used to document the results of group discussions and other various discussions. Paper of the same size is placed on the stand, cards of different colors and shapes are glued. With the help of cards on the stand, you can create schemes, structures, reviews and the like. The main technical equipment, which is relatively simple and can be transferred from one audience to another, is an overhead projector and a projector. Currently, with the creation and development of educational materials and the possibility of displaying information on the screen, the use of the achievements achieved in the educational process is becoming widespread. The application of modern information technologies to the educational process creates an opportunity to widely use new educational methods in education, along with economic efficiency. Classes are becoming more and more popular in special specialized classrooms, such as classrooms equipped with computers, televisions, and VCRs. It is even interpreted as a separate video method. In particular, the introduction of the computer into the educational process allows the widespread use of the video method, which can successfully perform all didactic functions. As a result, it is also called complex didactic technology. Multimedia plays a key role in the use of information technologies during the lesson.

Multimedia is the embodiment of the delivery of educational materials to students on the basis of audio, video, text graphics, animation tables based on the software and technical tools of informatics. Multimedia is a developing modern information technology. Various types of information are traditional: text, tables, decorations, graphs, diagrams, etc. Original types: integrates speech, music, clips from video films, TV footage, animation, etc. in one software product. Such integration is carried out using various devices. Working in multimedia has the following advantages.

- a deeper and more perfect assimilation of the given materials is created.
- close contact with new areas of education will increase.
- As a result of reducing the time of education, it is possible to save time.
- acquired knowledge is stored in the memory of a person for a relatively long time, and it is possible to use it in practice if necessary.

In the future, the increasing spread of distance education, the creation of electronic versions of textbooks, manuals, will lead to the wider use of technical tools and information technologies in the teaching process.

DISCUSSION: In the course of the training, relying on pedagogical technologies and striving for innovation, the use of various interactive methods aimed at activating students will help to successfully implement the educational goal.

In order to organize the educational process using innovative methods, first of all, it is necessary to clearly develop the plan and project of the lesson. When creating a lesson project, the teacher should clearly define his work forms and the scope of work of students in the process of acquiring skills. It is also important what teaching methods are used. A teaching method is a sequence of actions aimed at achieving a specific goal or a developed goal.

Innovative education solves several problems at the same time: it develops communication skills, helps to establish emotional connections between the participants of the educational process, solves information problems, because it provides students with the necessary information provides, without which it is impossible to carry out joint activities; provides general educational skills and abilities with an educational task due to being used to working in a team.

Teaching based on modern technologies is an important requirement of the transition period. The advantages of modern technologies and specific methodological directions are as follows.

- Teacher's speech skills in the lesson of new pedagogical technology.
- The need for oral knowledge.
- Teacher's oratory skills in organizing an interactive lesson.

- Educational goals, society and the demand of the time.
- Teaching content plans specified in the state educational standard.

Currently, a lot of work is being done not only on teaching Informatics and information technologies, but also on finding new methods of teaching and teaching all subjects and testing them in practice. This is one of the most important problems that must be solved in order to improve the educational process today.

CONCLUSION: Through interactive methods, the effectiveness of education increases, mutual cooperation between the teacher and the student; students develop and develop free creative thinking skills. In this innovative approach, the student becomes a central figure in education. Non-traditional forms of interactive methods in education can be divided into 3 groups: cooperation in teaching, modeling, research model of learning.

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It can be seen that this process helps to achieve thorough assimilation of certain theoretical knowledge by learners, saves time, motivates each learner to be active, and helps them to develop the ability to think freely.

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