

**THE IMPORTANCE OF INNOVATIVE TECHNOLOGIES IN IMPROVING THE
EDUCATIONAL PROCESS IN PRIMARY EDUCATION**

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Abstract: This article analyzes the importance of introducing innovative technologies in the primary education process, changes in teacher and student activities, as well as ways to improve the educational process. Their use increases the effectiveness of the lesson and develops students' interest, activity, and social competencies. The article also describes the practical aspects of developing the innovative competence of a primary education teacher, selecting methods that are appropriate for the individual characteristics of students, and harmonizing digital tools with national values.

Keywords: Primary education, innovative technologies, educational process, interactive methods, digital learning tools, student activity, pedagogical innovations, teacher competence, educational effectiveness.

In today's era of globalization and digital transformation, the use of innovative technologies in the education system is gaining importance. Especially the primary education stage is a crucial period when a child's thinking, interests and worldview are formed. Therefore, a modern teacher, in addition to traditional methods, must effectively use interactive, information and communication technologies.

Today, as our independent Republic is recognized by the world community, its future development and prosperity depend on today's youth. Therefore, today's youth should be comprehensively developed, able to express their correct attitude towards themselves, other people, society, nature and labor, able to act independently, be creative, initiative and entrepreneurial. The development of these characteristics in a student depends unconditionally on the teacher, his or her ability to properly manage the educational process, and the interactions and relationships he or she can establish with students.[1]

Innovative technologies are methods that organize the teaching process on the basis of modern tools and ensure the active participation of students. They develop in students such competencies as logical thinking, analysis, and independent decision-making. For example, methods such as "Brainstorming", "Cluster", "Insert", "Blitz survey" encourage students to be active and allow the lesson to be held in an interactive environment.

At the heart of any technology is collective interaction in the form of labor activity. Technology is embedded in the labor process itself. Regardless of the form of technology, the main result is determined by the description of the general process, its subject, means and final indicators. The consciousness of the individual represents the ideal form and dialectical opposition of collective interaction. Therefore, it is necessary to seek the laws of reshaping consciousness in the practice of social technology. Pedagogical technology is separated from social technology. Accordingly, in its development it has passed the stage of collective training reflex, dividing technological interactions into a system of purposeful repetitive actions and operations. [2]

The role of innovative technologies in the process of education and upbringing in primary grades is very important. These technologies allow students to receive information in new and interesting ways and enable them to implement their knowledge. For example, interactive textbooks, online learning platforms, robots and other innovative technologies help students make the learning process more interesting and effective.

These technologies help to enrich students' experiences, motivate them, and inspire them to learn new knowledge. As a result, they help to improve students' learning outcomes and knowledge. This allows students to think independently, solve problems, and find new creative approaches. The subject of educational technologies introduces students to current issues of pedagogical activity, its content, teacher ethics and requirements, ways of skillfully organizing pedagogical activity on the basis of modern educational technologies, and also provides future teachers with theoretical and practical knowledge about the specific features and directions of relationships with colleagues, parents, and students, their influence on the formation of the child's personality, and the formation of spiritual and moral qualities in him. [5]

The role of innovative technologies in the process of education and upbringing in primary grades is very important. These technologies help create opportunities for students to conduct interactive lessons, learn information easily and interestingly, develop creativity, and strengthen their skills.

In primary education, innovative technologies help to effectively improve the educational process, increase the quality of education, and develop students' creative and independent thinking skills. These technologies allow teachers to use different pedagogical methods, ensuring that knowledge is conveyed in a more interesting and understandable way.

The role of innovative technologies:

-Increases the quality and efficiency of education: Innovative approaches help students understand complex topics more easily and increase their interest in science.

-Provides interactive teaching methods: Modern technologies allow teachers to organize various interactive activities, games and projects, which ensures the active participation of students.

-Develops creativity and independent thinking: Innovative technologies encourage students to solve problems, find creative solutions, and learn independently.

-Provides an individual approach: Technologies allow for the adaptation of students' different learning styles and meet the individual needs of each child.

Makes learning more interesting and understandable: Tools such as multimedia, virtual spaces, and online platforms enrich lessons, present information visually and interactively, which helps students absorb knowledge more deeply.

In the primary school education process, it is of great importance to develop the learning process of students. Interactive methods greatly help to develop the level of knowledge acquisition of primary school students. Because interactive methods and innovative methods interest students in the educational process, encourage them to actively participate in the lesson, and acquire knowledge. It is important to remember that in primary grades, it is more important

to take into account the age and level of knowledge of children. It is best to teach them using simple, easy, and time-saving game exercises.

Activities that are more environmentally friendly develop children's minds, worldview, level of free thinking, ability to express themselves, and skills to work independently. The peculiarity of using innovative technologies in the lesson process is that they are implemented through the joint activities of the teacher and students. The learning process includes the activities of the teacher and students. The teacher's work consists of presenting educational material, increasing students' interest in science, deepening their thinking and forming their beliefs, guiding students' independent activities, and testing and evaluating their knowledge, skills, and competencies.

Indeed, innovative approaches and modern pedagogical technologies increase the productivity of the educational process. Today's era is characterized by the active use of the global information network, which is unlimited in terms of volume and speed of information transfer. The widespread use of multimedia and animations increases students' interest in lessons and their level of knowledge. We need to thoroughly instill in students the learning processes in each lesson. In this, we need to be able to use new innovative ideas, interactive methods and creative approaches in teaching in a timely manner. For this, I think that all teachers in the primary education system should have a deep understanding of all innovative technologies and mastered their knowledge. During my teaching career, I widely use many innovative ideas and various didactic game exercises. In my teaching lessons, I especially use such methods and educational exercises as "Step by Step", "Cluster", "This is Mine", "Carkhpalak", "Chain", "Continue", "BBB" method, "Sinkwain" method, "Brainstorming", "Find and Read". Of course, this often stems from creative thinking.

Innovative technologies have several positive aspects for children. These technologies play an important role in the learning process of students, increasing their understanding and teaching them new knowledge. The following positive aspects indicate the reasons why innovative technologies are important for children:

- 1. Interactivity:** Innovative technologies, such as interactive lessons, online learning platforms, and applications, provide students with the opportunity for interactivity. These technologies ensure that students actively participate in lessons, quickly answer questions, and implement the knowledge they have acquired.
- 2. Creative Thinking:** Innovative technologies enable students to think creatively and create innovative products. For example, with the help of robotics, 3D printers, and other technologies, children can learn to implement their ideas, design, and create innovations.
- 3. Developing student knowledge:** Innovative technologies help students learn new knowledge. Through virtual reality (VR) and augmented reality (AR) technologies, children can travel in virtual worlds, visit historical sites, or engage in interactive science activities.
- 4. More effective learning:** Innovative technologies help make learning more effective. Online lessons, electronic textbooks, and interactive programs make it easier and more convenient for students to learn, increase their use of lessons, and make the learning process more effective. The main result of the educational process is the formation of a highly spiritual person who is comprehensively and harmoniously developed. The educational process consists of a constantly moving chain of educational activities and events.

Educational activities are a set of educational influences that meet various material and spiritual needs, are subordinated to a single set of educational goals, interact with each other, and provide a single education. Just as the educational process consists of separate activities, the educational process arises from educational activities. Activities and educational work are part of the educational process [5]

The role of technology in the educational process is very important. Technology allows students to receive information in new and interesting ways and allows them to implement their knowledge. This helps to further enrich the experiences of students, motivate them and inspire them to learn new knowledge. Technology also creates convenience for teachers, helping them to prepare lessons and deliver information to students more effectively.

The use of technology in education also helps students develop social and communication skills. They have the opportunity to connect with other students through online platforms, socialize, and participate in group activities. This develops their social development and interpersonal skills.

Educational work, at the same time, encompasses moral, aesthetic, emotional and intellectual (intellectual) influences. While the activity-based approach refers to the direction of education, the complex approach determines the nature of its content (pedagogical goal (formation of the main and related aspects of the situation, educational goal); planning; organization and preparation; direct implementation of work; analysis of the achieved results). [6]

In conclusion, the use of innovative technologies in primary education is not just a new method, but the most effective way to improve the quality of education, ensure personal development, and educate the future generation in conditions suitable for a digital society. Therefore, the selection of modern technologies in the work of each primary school teacher and their use in combination with national values, spirituality, and educational goals is the most important guarantee of educating the new generation as modern, educated, cultured, and creative individuals.

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