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USE OF STEAM TECHNOLOGIES IN PRIMARY EDUCATION TRAINING

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Annotation: This article describes the STEAM education system and its tasks, in what areas of education it can be used, and recommendations on the methodical methods of effective use of STEAM technologies in primary education.

Key words:STEAM educational technology, primary education, integration, modern education, efficiency, method, production.

Education is the mirror of the country's future. The wide use of the possibilities of knowledge enrichment in practical terms to achieve the formation of professional skills reflects the special practical importance of the education and training process. This forms current requirements for ensuring indirect connection between education and production. This encourages the indirect connection between education and production to develop new methods of wide use of STEAM technologies of modern education.

In highlighting the political factors of the use of STEAM technologies in primary education and the technologicalization of education, the President of the Republic of Uzbekistan of September 5, 2018 "Additional measures to improve the public education management system" PF-5538 decree on activities, by implementing the advanced mechanisms of selecting, training, retraining and improving the skills of leaders and pedagogues, brings out the content of the processes of introducing the modern principles of personnel policy formation in the public education system. the tooth is suitable for the purpose. STEAM technology has a great role in increasing the practical importance of modern education. First of all, what is STEAM? - if we answer the question. STEAM educational technology is a new method of teaching schoolchildren, and it is a different method from traditional teaching methods. It is intended to teach students simultaneously in 5 subjects (Science), technology (Technology), engineering (Engineering), visual arts (Art), mathematics (Math). STEAM is not about science, but about topics is an integrated education system. STEAM education means the application of scientific and technical knowledge in real life with the help of practical training. General education with the organization of studies based on the "STEAM" educational program in presidential schools, students in grades 9-11 having the opportunity to acquire individual knowledge by choosing certain subjects depending on their interest is fundamentally different from schools. Because one of the main tasks of the President's schools is to teach in-depth natural and concrete sciences, to reveal and develop their intellectual potential.

In addition, the rapid development of technologies and scientific discoveries require a wider introduction of the STEAM approach in education and its inclusion in the educational process of primary education. This approach helps educate students with the skills and competencies necessary to successfully adapt to a rapidly changing world.

Labor market requirements also affect the acceleration of STEAM development in primary education. Many occupations require specialized knowledge and skills in the fields of science, technology, engineering, art, and mathematics. These knowledge and skills are better formed if they are given attention at the initial stage of education. Because the knowledge acquired in the student's

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youth remains in his brain for a long time and serves as a foundation for him in the next stages. If we look at it differently, the student can discover the world from a young age. He has ideas about existence.

It should be noted that in most countries, national strategic plans for education and economic development include the priority development of science and technology. For these purposes, it is necessary to ensure wide access to scientific and technical information and knowledge, as well as preparation for working in a team and using new technologies. STEAM education in elementary grades can be the basis for training future specialists in this field.

The STEAM approach is not only a learning method, but also a way of thinking. In the STEAM learning environment, children acquire knowledge and immediately learn to use it. Therefore, when they grow up and face any life problem in the real world, be it pollution or global climate change, they understand that such complex issues can only be solved by relying on knowledge from different disciplines and working together. It is not enough to rely on the knowledge gained from only one subject.

One of the features that reflects the modern advantages of STEAM technologies is the teaching of exact sciences and natural sciences on the basis of STEAM technology. is to achieve high results in the technological production processes that are being renewed and through this to achieve economic interest.

The tasks of STEAM in primary education are as follows.

1. Development of students' problem thinking ability and scientific approach to solving problems.
2. Deepening of knowledge in the field of science, technology, engineering, art and mathematics.
3. Development of collective creativity skills.
4. Development of creative thinking, entrepreneurial and innovative thinking abilities.
5. Preparing students for future careers in technical and innovative fields.
6. Understanding the fundamentals of design.
7. Learning to think critically.

In elementary grades, we develop the topic "Planets" based on STEAM technology. The letter S in STEAM technology stands for science. Students are introduced to theoretical information. Theoretical information: Information about the planets is given, and the planets are introduced one by one together with their names. The Earthness of our planet and the fact that it is different from other planets due to the existence of life on it, and the connection of the planets with the celestial bodies are studied.

The letter T stands for technology. Summarize the information about the appearance of the planets when viewed with a telescope and their different angles from the earth and find answers to the following questions:

1. How many kilometers is the distance between the Moon and the Earth?
2. Which planets have water and air?
3. What makes other tourists different from earth?

The letter E stands for engineering. Pupils are asked to make models of planets from paper, clay and plasticine.

The letter A stands for art. Pupils write poems, stories, essays based on the given information. They are assigned to draw a picture of the planets in their notebooks

The letter M stands for mathematics. It will be necessary to calculate the dimensions of the axis of rotation of the globe, the north and south poles and the equator from a mathematical point of view.

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In short, STEAM represents an integrative approach to education with the concepts of scientific research and technical development of everyday life. The purpose of this approach is to promote scientific literacy and competitiveness by involving the school and the public in ensuring the sustainable development of the world's economy and development through education. The importance of STEM is that many of our current occupations may be automated or completely rendered redundant in the near future. And STEM prepares personnel suitable for this future.

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