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The Place and Importance of Steam Educational Technology in Preschool Education

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Annotation: the article discusses the content and essence of the use of steam education technology in modern education, its specific features, advantages and opportunities

Keywords: STEAM, STEAM educational technology, abilities, competencies, competencies, life skills.

There is no doubt that the drastic reforms being implemented in Uzbekistan today, the decisions being made, and the political events ahead of us will be a solid foundation for the development of our country, people and nation for centuries to come. After all, as the head of our state stated, "In today's difficult conditions, our main task must be to ensure the continuation of the comprehensive reforms started in our country, the bold steps we are taking towards building a new Uzbekistan". Of course, the implementation of these tasks in accordance with the requirements of world standards requires a great responsibility from the representative of each field.

At the same time, attention is being paid to the young generation, who are the owners of our future, and the system of education, science and knowledge is being reformed and completely renewed. In the context of today's global efforts aimed at creating a new Uzbekistan and the Third Renaissance, first of all, the prosperity and well-being of our people, the growth of our children as perfect people, the further improvement of the population's lifestyle and strengthening of health, in all areas. It is no exaggeration to say that the goal is to make huge qualitative changes in the field of education, and ultimately to introduce our country to the world as a modern and powerful country with high economic potential.

Reforms are being implemented in the Republic of Uzbekistan to reform the education system. Decree of the President of the Republic of Uzbekistan "On the establishment of modern schools", Presidential Decree "On measures to further improve the preschool education system in 2017-2021", "A measure on the establishment of presidential schools" It is possible to highlight the Presidential Decision on "activities" and many other reforms aimed at making the educational system of our republic equal to the advanced educational systems in the world. In order to fulfill these goals, there are talks about the emergence of STEM in the national education system from 2016. Currently, the STEM education system is widely recognized worldwide. In some countries, this education system is designated as the national education system. According to the results of 2016, according to the distribution of school graduates in the STEM education system, rapidly developing high-tech China took the first place, and the USA and Russia took the 3rd and 4th places respectively.

STEAM - Today, it is one of the most traditional innovative methods of the world education system. At a glance.

STEAM abbreviation looks very complicated, but if we look at it separately, we can see that it is simple and clear, i.e. : S – science, T – technology, E – engineering, A – art, M – mathematics, or natural sciences, technology, engineering arts, creativity, mathematics.

In simple saying, it is the most popular science in the modern world. It is no secret that the integration of knowledge in various fields supplied in many disciplines is required to achieve great achievements. Steam technology helps to solve such problems. This methodology allows the formation of skills to conduct a mixed type of education and use theoretical knowledge in their daily life.

Steam is innovative technology that can provide the opportunity to implement projects and training outside the school and outside the school. With the help of this method, the sciences are

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taught by indicating the general dependence, not in separate networks. In addition to demonstrating the relationship between daily life, technology can also show the creativity of students. This approach provides a number of tasks to students, and the reader learns to demonstrate their creativity in solving them. With the help of such responsibilities, reader not only invents ideas, but also learning to do them in their daily life. Thus, the reader learns to solve their activities and the existing options.

In preschool education, students will teach students' methods of using Steam education technology, to integrate the various activities in the educational process, perform preschool children for their first research activities.

- Steam (S-s-technology, e-engineering, or art, M - mathematics) - a modern approach to the combination of science, technology, engineering, art and mathematics. Steam helps children develop the following important features and skills:
  - A comprehensive understanding of problems
  - Creative thinking
  - Engineering approach
  - Critical thinking
  - Understanding and applying scientific techniques
  - Understand the foundations of design.

This approach helps in the solution of life problems in children in the future. Today, Steam - education is developing as one of the main trends in the world and is based on the integration of the five areas to the single educational scheme. Terms of education have been to develop its uninterruptedness and ability to communicate in children, so they can gather ideas and exchange views. Therefore, the main curriculum includes: information and logical thinking modules such as liceging technologies, children's research.

Due to the Steam approach, children learn the nature and are also interested, developing the ability to gain critical thinking, and their self-expression, and lead the basis, to lead self-expression, Provides a radical level of child development. Forming self-confidence. In this approach, each time they are tested by the bridges and roads that children have created with their own hands, to "launch", "work", underwater and air structures. They will repeatedly test and improve the "product" that does not yield well. As a result, self-solving themselves, achieving the goal inspiration, victory, adrenaline and joy for children. Every victory gives more confidence in their abilities. Teaches the organization of active dialogue and collective work. Steam programs are also distinguished by the active dialogue and group work. In the stage of discussions, children will learn not to afraid to comment. During the activities, children are not sitting in front of the table, testing and developing the "product" based on their designs. During the activity process, children are busy communicating with educators and their friends in the team that will always provide cooperation.

In Steam technology, children try to learn well and immediately apply it. If we mean the main purpose of traditional education is to teach knowledge and to think and think of this knowledge and use us to combine with real skills. It allows school students not only to have some ideas, but apply and execute them.

If we mean the main purpose of traditional education is to teach knowledge and to think and think of this knowledge and use us to combine with real skills. These preschool children will not only possess some ideas, but also use and implement them.

Advantages of Steam training will be reflected in:
Integration to education not in the academic disciplines, but on "" "topics"
Legal-technical use of technical knowledge in real life
Development of critical thinking skills and solving problems
Active Communication and Teamwork
An increase in feeling of trusting in its own
Development of interests in technical sciences
Creative and innovative approach to projects
The bridge between education and career

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Preparation of students for technological innovative life

The following tasks in the development of children in the development of the stem system in accordance with the tasks set by President of our President in the field of preschool and present requirements of the preschools, according to the development of our President, is expected to perform the following tasks:

MTT selection based on the principles of the books in the books of the book;

Introduction of mechanisms for the MTT system's work plan with books based on Stem principles;

Multifoming of young children using the books of stem wealth; Encourage the production of books of stem books, which are designed for young children, innovative technologies;

Develop mechanisms to introduce MTT teachers to the system of Stem education.

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