

INNOVATIVE TECHNOLOGIES OF ENVIRONMENTAL EDUCATION OF PRESCHOOLERS

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Abstract: this article discusses innovative approaches to environmental education of preschool children, new tools and methods for maximum involvement of children in the process of environmental education.

Keywords: innovative technologies, multimedia platforms, case technologies, digital resources, project activities.

In the modern world, where environmental problems are becoming increasingly relevant, it is extremely important to begin to form the foundations of environmental culture in children from an early age. The main goal of environmental education of preschool children is to form the foundations of environmental consciousness and environmental culture. Innovative technologies act as a powerful tool in the process of environmental education of preschoolers, offering unique opportunities for creating a developing and inspiring educational environment. One of the elements of modern technology is the use of interactive multimedia platforms that allow children to learn the basics of the environment and its protection in a playful way. Such platforms can include animations, game elements and special educational applications that stimulate children's interest in ecology through the research method. Children have the opportunity to observe virtual ecosystems, simulate the consequences of certain actions and look for optimal solutions for preserving nature. Also, one of the most significant and promising technologies in the process of environmental education is the use of virtual and augmented reality. These technologies allow children to be transported to various corners of the planet, demonstrating the uniqueness and fragility of natural ecosystems. Immersion in virtual worlds makes it easier to understand the consequences of human activity on nature, fostering a careful attitude towards the planet's resources.

In addition, technological advances in robotics and programmable constructors inspire children to create their own eco-projects and devices that can help solve environmental problems. For example, projects to create miniature autonomous devices for monitoring the environment expand the horizons of children's imagination and engineering.

One of the interesting methods used by teachers of our kindergarten in working with preschoolers on environmental education is case technology.

Case technology is an analysis of a problem situation. Its main purpose is to develop the ability to analyze various problems and find their solutions, as well as the ability to work with information. The main purpose of case technology in environmental education is to develop the ability to explore various environmental problems, situations related to the moral side of a person's attitude to nature and find their solution, that is, learn to work with information. Since preschoolers do not yet know how to read, teachers use the following types of cases in their work on environmental education with them: case illustration; photo case, discussion method. A case

illustration is an illustration that is used to examine a problem situation, followed by an analysis of possible solutions and a choice of the best one.

This method is very similar to a case illustration, the only difference is that instead of illustrations, photographs from real life are used.

Topics of examples used in preschool educational institutions case photos or case illustrations: "Does a child behave correctly in nature?", "Is it possible to catch butterflies?", "Is it possible to destroy bird nests?", "A child swung a stick at a dog", etc. The purpose of such a case is to analyze the situation, find a way out, the correct version, through the joint efforts of a mini-group of children.

Online platforms and communities that unite children and teachers around the world also play an important role in environmental education. Joint work on global environmental projects stimulates the exchange of knowledge and best practices, expanding the horizons of preschoolers and helping them develop a sense of responsibility for the state of the planet. The integration of innovative technologies into educational processes is accompanied by the need for constant updating of pedagogical approaches and methods. Teachers and educators must master new tools and methods for maximum involvement of children in the process of environmental education. It is necessary to develop professional training programs for teachers that will help them effectively use technologies in working with preschoolers, ensuring that technology will serve as a supplement to traditional methods, and not a replacement for them. In addition, the use of digital resources requires a conscious approach to safety and ethics. It is important to ensure the protection of children's data and personal information, while teaching them the basics of digital literacy. Parents and educators should focus on how to use modern technologies safely, setting appropriate boundaries and rules for the use of devices and online platforms.

Another aspect of successful technology integration is cooperation with various organizations and institutions dealing with environmental and educational issues. Joint initiatives can include the development of specialized educational programs and projects, holding online events and webinars, as well as organizing competitions and exhibitions dedicated to environmental topics. This allows not only to strengthen educational processes, but also to inspire children to participate in real environmental events, increasing their involvement and motivation.

The modern world provides unique opportunities for the formation of environmental culture in children through the use of innovative technologies. This approach not only contributes to the development of their knowledge and understanding of the world around them, but also forms values that will determine their interaction with nature in the future. Preservation of the planet and its resource wealth will largely depend on how thoughtfully and responsibly the new generation is prepared to address future environmental challenges. Thus, the integration of innovative technologies into the process of environmental education of preschoolers not only enriches educational programs, but also helps to form a conscious attitude towards the world around them in children. This is an invaluable contribution to the education of the new generation - a generation for which caring for the Earth will become a priority throughout its entire path of further development.

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