

# METHODS FOR THE DEVELOPMENT OF ENVIRONMENTAL SKILLS IN STUDENTS BASED ON THE 4K MODEL

Urgench State Pedagogical Institute

Faculty of pedagogy,

Department of preschool education and Natural Sciences

senior teacher

**Bekchanova Feruza Marimboy qizi**

**Abstract:** Environmental issues are one of the global issues today and pose a serious threat to the future of humanity. To solve problems such as climate change, pollution and depletion of natural resources, it is necessary to provide the younger generation with environmental knowledge and make them have environmental skills. In developing environmental skills in students, it is important to take into account the 4K model, i.e. skills such as critical thinking, collaboration, communication and creation. In this article, we will consider in detail the methods of developing environmental skills in students based on the 4K model.

**Key words:** environmental issues, Environment, Nature, thought, global issues, model 4 K, natural resources.

Critical thinking skills give students the opportunity to analyze environmental problems and find solutions to them. Students are required to explore a variety of resources, analyze data, and form their own opinions in the process of studying environmental issues. In the process, it is important that teachers encourage students to identify the problems themselves, ask them questions, and create an open environment for discussion. For example, students can conduct research and submit their opinions on topics such as climate change, water resources, waste management. This process teaches students to think critically and solve problems. Collaborative skills are important in developing the ability to teamwork and develop collaborative solutions among students. Environmental issues often require collective effort, so students need to learn to work together. Teachers can divide students into small groups and give each group the task of solving a specific environmental problem. For example, students can develop projects to reduce emissions, save energy, or save water. In the process, students learn to listen to each other's ideas, exchange ideas, and find solutions together. Communication skills help students express their thoughts in a clear and effective way. In solving environmental problems, students need to have the ability to communicate their ideas to others and convince them. Teachers can encourage students to prepare presentations, write articles, or engage in discussions on environmental topics. This process, students learn to express their thoughts openly and clearly, to communicate effectively with others. It is also important that students learn to use a variety of communication tools to bring their ideas in solving environmental problems to the public.[1]

Creation skills encourage students to develop innovative ideas. New and innovative solutions are needed to solve environmental problems. It is important that teachers motivate students to creativity and encourage them to realize their ideas. For example, students can develop a project to develop environmentally friendly products, recycle waste, or create energy-saving technologies. In the process, students will have the opportunity to realize their creative thoughts, experiment with new ideas and evaluate the results. The application of the 4K model

in the development of environmental skills in students enhances their interaction and provides opportunities for mutual exchange of ideas. This process helps students not only solve environmental problems, but also their personal development. Teachers can develop their creative thinking by encouraging students to express their opinions, work together, and develop innovative solutions.[2]

It is also important to carry out practical activities and activities in the development of environmental skills. The organization of environmental activities, excursions and practical projects for students provides the opportunity to put their environmental knowledge into practice. For example, students can develop their skills by going out into nature, producing environmentally friendly products, or conducting environmental protection activities. This process encourages students to actively participate in environmental issues and increases their responsibility.[3]

Updating curricula and materials is also important in developing environmental skills in students. Teachers are required to develop up-to-date teaching materials that involve environmental issues and to provide interesting and interactive classes for students. In this process, it is important to attract students through multimedia materials, interactive games and environmental projects. Teachers can increase their interest by encouraging students to take an active part in the process of studying environmental problems. Cooperation and teamwork are important in the development of environmental skills in students. Teachers are required to collaborate with other educational institutions, environmental organizations and the public. In the process, students can improve their knowledge and become familiar with new ideas by conducting environmental events, conferences and workshops. Through cooperation, students have the opportunity to share experiences and develop joint solutions in environmental issues.[4]

### **Conclusion:**

In conclusion, it is important to use different methods based on the 4K model in the development of environmental skills in students. Through the development of critical thinking, collaboration, communication and creation skills, students learn to actively participate in solving environmental problems, express their opinions and develop innovative solutions. Teachers can develop their environmental skills by encouraging students to actively participate in environmental issues, conducting hands-on activities and activities, developing and collaborating with contemporary teaching materials. This process helps students not only solve environmental problems, but also their personal development. The younger generation, with environmental skills, will play an important role in the future in the path of Environmental Protection and sustainable development.

### **References:**

1. Abdullaeva, N. (2021). "Environmental education and its importance." Tashkent: Ministry of Higher and secondary special education of the Republic of Uzbekistan.
2. Tashkentov, M. (2020). "Youth and ecology: problems and solutions." Samarkand: Samarkand State University.
3. Nizamov, A. (2022). "Innovative approaches to the development of environmental skills." Bukhara: Bukhara State University.
4. Karimova, D. (2023). "The formation of environmental awareness in students: methodological foundations." Tashkent: Academy of Science and technology.



5. Kadyrov, R. (2021). "Environmental education: theory and practice." Fergana: Fergana State University.
6. Murodov, S. (2022). "Improving the educational process based on the 4K model." Kashkadarya: Kashkadarya Regional Pedagogical University.
7. Islamov, U. (2023). "The younger generation and environmental responsibility: new approaches to the educational process." Andijan: Andijan State University.