

THE IMPORTANCE OF USING INTERACTIVE METHODS IN BIOLOGY LESSONS

Kobilova D.M.

*Kobilova Diloram Mashrabjonovna – Teacher of Biology,
SCHOOL № 15 OF SPECIALIZING IN PHYSICS AND MATHEMATICS, IN-DEPTH STUDY OF SEPARATE
DISCIPLINES,
IZBOSKAN DISTRICT, ANDIJAN REGION, REPUBLIC OF UZBEKISTAN*

Abstract: *there are very few studies concerning the importance of teaching methods in biology education and environmental education including outdoor education for promoting sustainability at the levels of primary and secondary schools and pre-service teacher education. The material was selected using special keywords from biology and sustainable education in several scientific databases. This article will be mainly argued about using interactive methods in biological science and in classroom for nowadays new generation. And it will be proved how this kind of methods influences for students education.*

Keywords: *pedagogical technologies, interactive methods, brainstorming, passive, active, biology, sustainability education, environmental education, education for Sustainable development, outdoor education, primary schools, secondary schools.*

As with all disciplines, biology is very important subject. Biology reflects this notion of living nature, environment, and living. Therefore, we should encourage our students to develop a keen interest in the subject and to take a closer look at the environment. How can a person who does not understand the meaning and value of biological science conserve nature? That is why, at the schools, starting with the first grade, children are given elementary education based on natural sciences and the surrounding world. Students begin to understand the environment through this science, and that living is a miracle. They learn to love and respect nature. I think it is advisable to use interactive methods in lessons to encourage students to take this course. I recommend this method to all science teachers as well.

The use of new pedagogical technologies, innovations, interactive methods in the school education system, which has been actively developing in recent years, will change the content of education.

The modern teacher must now engage students in the course of the course, formulate the nature of their inquiries and, of course, organize the lesson using new pedagogical methods.

The word method is, in a general sense, a way of achieving a specific purpose. Teaching methods are a way for the teacher to convey knowledge to the students' minds while simultaneously assimilating them.

Teaching methods are the activities of the teacher, which combines the pedagogical and the students' learning activities with two subjects of a single learning process. The methods of teaching are divided into 3 groups according to the activity of the learner.

The "passive method" is the interaction between the teacher and the student, in which the teacher is the main person, the students are inactive, that is, they pass the instruction only by the teacher.

"Active method" is a form of interaction between teacher and learner, in which the learner interacts with the teacher, not the passive listener.

In the course of the interactive method, students interact with the teacher. Interaction refers to the interaction of the learner in the interaction with the teacher or the interaction with the computer.

So, it is best for us to use the interactive method of teaching. This method helps students to achieve high results in a short period of time, without exerting mental and physical effort. In the course of the lesson, it is important to convey theoretical knowledge to the learner, to acquire skills and knowledge on the topic, to control the knowledge of the learner. The questions that encourage the student to take an active part in each lesson will help them find creativity, diligence, similarity, and the difference in the classroom. Therefore, it is so easy to use in biology classes. For example, if you need to make herbarium from a plant, the student must first be well acquainted with the technology of herbarium. Now the student will try to find out about the origin of this plant, its habitat, its distribution in nature, its medicinal properties. Students try to compare each other's own herbarium with each other. Such techniques help the student to develop his or her ability to work in groups, in problem-solving situations, to listen to the ideas of others and to express himself. Develops effective use of interactive methods in biology: problem-solving techniques, methods of independent work, application of methods of control and self-control. The child actively participates in the lesson.

For example:

Method of "Remove unrelated concepts from the list".

In this method, the student is given a plant name and writes appropriate and inappropriate words, thus removing the word that is not specific to the plant.

The title method.

In this method, students are given a piece of text from a textbook on a sheet. Readers will read the text, highlight the main idea, and make headlines.

Examples of such techniques are "brainstorming", "Venn diagram", and so on. It is also important to note that in the course of biology lessons we can use these methods to form an ecological culture in our students. Only then will he learn to protect the environment and love the world. If we allow for the simplicity of the classroom learning process in a rapidly evolving era, we will be mistaken for growing individuals. It would be useful to use these methods not only in biology but also in teaching all subjects.

Teachers of today's education need to use the new pedagogical technologies very efficiently and reasonably and use information and communication technologies in addition to visual aids. In the course of the lesson, the teacher will try not only to explain theoretical knowledge but also to show, execute, and to describe the living nature. Therefore, it is a requirement of our time to conduct each lesson in an unconventional way. Otherwise, the child will be bored in the lesson, but every child will pay attention, there will be no missing child, and everyone will try to get a grade. There are a lot of methods used in the classroom, and their use on the field requires a great deal of skill from the teacher.

It is also easier to deal with when there are problems in the course of the lesson because it can help you to deal with difficult situations using the method of problem situations. Students will discuss, debate, and deepen their understanding of the topic when it comes to problematic situations so that the topic can be understood. This will help the child to work harder and to express himself. Only then can the child develop high results.

The problem now is that the teacher will continue to move away from the education system unless he or she is working hard. The ability of the learner to reach the heart of each lesson is to be in constant contact with the low-level students.

So, in a nutshell, I think that a teacher who aims to engage the student in the lesson and learn more will achieve better results.

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