



Journal Website:
<https://theusajournals.com/index.php/ijp>

Copyright: Original content from this work may be used under the terms of the creative commons attributes 4.0 licence.

IMPROVING THE METHODOLOGY OF TEACHING NATURAL SCIENCES IN PRIMARY CLASSES - A SOCIAL AND EDITORIAL NEED

Submission Date: April 09, 2024, Accepted Date: April 14, 2024,

Published Date: April 19, 2024

Crossref doi: <https://doi.org/10.37547/ijp/Volume04Issue04-08>

Djurayeva Nargis Narqulovna

The University of Economics and Pedagogy, Non-state institution, Uzbekistan

ABSTRACT

It is shown in this article that the methodology of teaching natural sciences serves as an educational science that improves the content and methods of comprehensive education of children in the teaching of natural sciences. It seems that in the conditions of today's globalization, effective use of virtual educational platforms in the process of teaching natural sciences in elementary grades, improvement of the methodology of teaching natural sciences based on programmed lessons and virtual educational technologies is of great importance.

KEYWORDS

Natural sciences, virtual education, pedagogy, pedagogical technology, method, methodology, information communication.

INTRODUCTION

Today, due to the rapid development of information and communication technologies, one of the pressing problems is the widespread introduction of computer technologies, their editorial programs and tools into the educational process of higher educational

institutions. In this regard, in the Resolution of the Resident of the Republic of Uzbekistan dated October 8, 2019 “On approval of the Consortium for the development of the higher education system of the Republic of Uzbekistan until 2030” No. RF-5847

“Educational directions” and specialties priority tasks, such as “development of the use of modern editorial software provision and products in the educational process, individualization based on digital technologies, development of distance education services” [1] Therefore, today, in the era of educational development, it is impossible to improve teaching without technical means. One of the important features of modern editorial technologies is the speed of information transfer to readers that these tools provide.

It seems that in the conditions of modern globalization, the effective use of virtual educational platforms in the process of teaching natural sciences in primary grades, improving the methods of teaching natural sciences based on programmed lessons and virtual educational technologies is of great importance. Research scientific and educational literature, dissertations on improving methods of teaching natural science in primary grades were analyzed and the necessary conclusions were drawn.

As for the methods of teaching natural sciences in our country, Zh.O. Tolirova [2] “Theory and practice of increasing scientific and methodological competence in teaching biology”, A.K. Rakhimov “Increasing the natural science horizons of students in an innovative educational environment.” theory and practice of development” [3], M.M. Isabaeva “System for including healthy lifestyle skills in students when teaching biology (using the example of grades 5-9)” [4], Zh.Zh. Karbozova [5] “You can look at research works like “Encouraging young teachers to organize electronic educational resources.” With the development of science, scientific and technological progress requires each other to provide information

and manage the process of organizing creative activity at a high level. directions of his work.

The effectiveness of the process of preparing primary school students for creative activity requires a system of blind management instructions and continuity.

Methodology of teaching natural science is a pedagogical science that expands the content and methods of comprehensive education of children when teaching natural science. It is based on research in the field of pedagogy and uses its methods, taking into account the content and characteristics of teaching its own system.

Teaching nature to students not only equips them with the necessary knowledge and skills to continue their studies and practical activities, but also shapes their worldview, will, character, and develops mental abilities. Accordingly, he develops forms and methods of teaching natural sciences.

The educational process includes interrelated parts - the content of the curriculum, teaching and learning activities, teaching subjects and acquiring skills.

The tasks of the methodology of teaching natural science include determining the content of natural science as an educational subject, researching methods and methods of teaching, and developing the necessary educational equipment. The methodology for teaching natural science is not only determined by the description and explanation of the learning process, but also develops rules on the basis of which the teacher can successfully teach children this subject.

Science teaching methodology includes all learning processes, from teacher development to the results of mastering educational material, including taking into

account work in the classroom, in the lesson, outside the classroom and outside the school.

Based on comprehensive training in pedagogical practice and generalization of the results, the necessary patterns of teaching are determined and measures are developed to improve it. Therefore, based on the principle of direct acceptance of the studied objects (plants and animals) (which ensures the formation of the correct image), specific activities are developed for the use of systematic teaching.

Therefore, the goal of the science teaching methodology is to prepare primary school teachers to teach science to the younger generation, using didactic means, using educational technologies based on the requirements of today.

REFERENCES

1. Decree of the Resident of the Republic of Uzbekistan dated October 8, 2019 No. RF-5847 “On

approval of the Consortium for the development of the higher education system of the Republic of Uzbekistan until 2030.” - National database of legal documents, No. 19/06/5847/3887 dated 10/09/2019.

2. Tolirova Zh.O., Gafurov A.T. Technologies of biological education. Methodological manual “Okituvshi”, T.: 2002. 128 pages.
3. Rakhimov A.K. The role of the educational innovation cluster in the system of continuous education // Academic research in the field of pedagogical sciences / Vol. 1 No. 1, 2020 ISSN 2181-1385. 48-53 rub.
4. Isabaeva M.M. Methodology for developing healthy lifestyle skills when teaching biology // Textbook. Science and technology. ISBN: 978–9943–10–739–7. 72 pages.
5. 140. Karbozova Zh.Yu. Preparing future teachers for the design of electronic educational resources: abstract of thesis. ... candidate of pedagogical sciences. Monday, 2018. – 25 p.