

**SCIENTIFIC AND THEORETICAL BASIS OF PRIMARY SCIENCE TEACHING IN A
 DIGITAL EDUCATIONAL ENVIRONMENT**

Kasimova Oline Alimjon kizi

Nizami named after Uzbekistan national pedagogy

university Elementary education pedagogy PhD, lecturer of the department

Kamalova Nadira Lufullo kizi

Nizami named after Uzbekistan national pedagogy university student

Abstract : This in the article digital education in the environment elementary in class natural sciences of teaching scientific and theoretical basics illuminated . International assessment in programs participation in the process of natural of sciences importance about idea conducted and conclusion and offers cited .

Key words : digital education , natural sciences , integration , education , technology , theory , teaching methods , international assessment .

Annotation: V state rassmatrivayutsya nauchno-teoreticheskie osnovy prepodavaniya estestvennyx nauk v nachalnoy shkole v cifirovoy srede obucheniya. Obsujdaetsya vajnost uchastiya estestvennyx nauk v mejdunarodnyx programmax otsenki, a takje predstavleny vyvody i predlozheniya.

Key words: tsifrovoe obrazovanie, estestvennye nauki, integration, obrazovanie, tehnologii, teoriya, metody obucheniya, mejdunarodnaya otsenka.

Abstract: This article discusses the scientific and theoretical foundations of teaching natural sciences in primary school in a digital learning environment. It discusses the importance of natural sciences in participating in international assessment programs, and provides conclusions and suggestions.

Keywords: digital education, natural sciences, integration, education, technology, theory, teaching methods, international assessment.

Natural sciences (SCIENCE) advantages and importance from that consists of , through science student of the world integral , inseparable , one integrity understands , scientific worldview is formed , research skills As a result, PISA , TIMSS, etc. international in research successful participation to grow opportunity expands . Uzbekistan Republic People education under Republic education center by Natural Sciences according to National study program project created discussion was put . Natural sciences - man , his health , as well as whole the environment : soil , atmosphere , in general the earth , the cosmos , nature , everything alive and lifeless bodies organization provider substances and their change learner are sciences . In nature event giving event and processes , living organisms development stages , nature and society to the laws of humanity indicating effects about scientific and

practical knowledge complex lighting natural and economic sciences block module main task by designating gives [1:34].

Elementary in the classrooms natural science of topics introduction critical thinking , problems solution and observation abilities encouragement through cognitive development supports . Age students by nature sought-after is , is composed natural sciences lessons to them questions to give , to predict to do and simple experiments transfer opportunity These exercises students scientific his/her thinking to develop help gives , to problems methodical approach and analytical thinking opportunity gives .

Natural history with early acquaintance the environment to know and to nature relatively responsibility feeling develops . To students ecosystems , biological diversity and human of activity to the environment the impact to teach to nature respect development and them stable practice with to engage in encouragement possible . Alive organisms and their to live of places mutual dependence understanding through students nature protection to do importance knowing they will get and the planet protection to do proactive relationship they develop .

Natural sciences mathematics , language art and social sciences such as other sciences with integration training the results increase and whole education experience presented to be able possible . For example , students scientific information measurement and writing to take for mathematician skills their applications , their observations about to write for language from the arts uses and scientific of discoveries historical context their studies possible . Interdisciplinary approaches to study further current and meaningful does , to the students of knowledge various sectors between dependency to see help gives .

Of sciences mutual integration in students nature whole one existence as , of the world only the view to their understanding direction It is necessary . with together , students human of activity to nature negative and positive influence , time and space global ecological scale problems and nature in front of responsibility feeling understanding , also , healthy marriage in style action they do and natural from resources reasonable use skills , nature and society to the development own contribution add can competent person to educate in sight Natural sciences separately subject as teaching from 1st grade begins . Study material - « Nature bodies », « Plant and animal world " , " Our health "We save " and " Ecology " topics combined . Natural sciences according to program small aged school to their students only my dear nature beauty and only their wealth not , maybe of our republic nature to study as well opportunity gives . Natural sciences in teaching students scientific-natural worldviews formation and expansion , logical to think in teaching every one lesson topic statement to do attention is given . Students individual completion of tasks in the process their mental activity attraction is being done , its own knowledge , strength and to the ability was confidence increases . This as a result every one person own opportunity at the level develops . This in a way organization done to know in the activity from time productive used . Finally as a result education efficiency increases . Education modern pedagogical from technologies using passable in classes students to know activity individually organization is being done .

Elementary in the classrooms natural sciences teaching young in students cognitive development , environment related mind and scientific literacy develop for very important . To the research based education , practical training and interdisciplinary from approaches used without , teachers students

surrounding the world study and to understand inspiring interesting and effective natural science lesson processes create possible . Natural sciences with early acquaintance not only to students academic benefit brings , maybe to science lifelong interest and the environment protection to do obligation develops .

Used literature :

1. Sayfullaev G', Alimova L. (2021). Elementary in the classrooms natural sciences in transit practical work organization achievement // Scientific progress. No. 6.
2. Bransford JD, Brown AL, Cocking RR (2000). People how learns : brain , mind , experience and School . Washington, DC: National Academy press .
3. Mamanazarovna DM, Ergashovna JB Beginner in the classrooms natural sciences in their classes practical work organization of reaching methodical basics //International conference on multidisciplinary science. - 2024. - T. 2.– P. 138-141.
4. National research Council . (1996). National Science Education standards . Washington, DC: National Academies press .
5. Karimova, S. (2022). THE ROLE AND IMPORTANCE OF "NATURAL SCIENCES" IN THE DEVELOPMENT OF UNDERSTANDING OF NATURE IN GENERAL SECONDARY SCHOOLS. Science and innovation, 1(B6), 214-218.
6. Karimova , Sevara . "CHARACTERISTICS OF NATURAL TEACHING METHODOLOGY N Y."Oriental renaissance: Innovative, educational, natural and social sciences1.11(2021):737-740. <https://cyberleninka.ru/article/n/characteristics-of-natural-teaching-methodology> .
7. Karimova Sevara "Didactic Features Of Development Of Nature Perception Skills Of Primary School Students" In volume 19, of Eurasian Journal of Learning and Academic Teaching (EJLAT) April 2023.
8. Daughter KSS FORMATION OF NATURE AWARENESS SKILLS OF PRIMARY SCHOOL STUDENTS //International Scientific and Current Research Conferences. - 2023. - S. 43-45 .
9. Mamatova , H., Karimova, S., & Mamayusupova , . Z. (2023). PEDAGOGICAL ANALYSIS IN THE WORKS OF ALISHER NAVOI. Modern Science and Research, 2(9), 5–8. Retrieved from <https://inlibrary.uz/index.php/science-research/article/view/23865>
10. Pedagogical Technology . N.H. Avliyakov , N.N. Musaeva . –T.: Chopon NMIU, 2012. p. 90.