Neo Scientific Peer Reviewed Journal
Volume 5, Dec. 2022 ISSN (E): 2949-7752
www.neojournals.com

RELATIONSHIP OF NATURAL SCIENCES WITH HUMANITARIAN SCIENCES

Mirzoyeva Nigora Shavkatjonovna
Finnish Pedagogical Institute of Uzbekistan
Assistant of the Department of Pedagogy
nigoramirzoyeva99@mail.com

Hamidova Laylo Komildjonovna
Finnish Pedagogical Institute of Uzbekistan
Graduate student of the Department of Pedagogy

Abstract:

This article talks about how important the concept of "interdisciplinary integration" is, mutual integration among natural sciences.

Keywords:

intellectual, competence, mechanical, bioorganic, international experiences, interdisciplinary integration, PISA, PIRLS, TIMSS, nature, society-work.

At a time when our country is rapidly developing for new innovations and the development of the digital economy, it is also necessary to support the intellectual well-being and thinking abilities of young people in Uzbekistan, to question the knowledge, skills, and skills they need to acquire on the basis of a national educational stand And it is important to improve the evaluation system based on international criteria and requirements. Within the framework of the "Action Strategy for the Five Pillars of National Development during 2017-2021", approved by the President of the Republic of Uzbekistan No. PF.4947 of February 7, 2017, "On the Action Strategy for the Further Development of the Republic of Uzbekistan", a system for identifying quality of education in Uzbekistanis being developed using a new international evaluation program. International evaluation programs are understood to be programs such as PISA, PIRLS, and TIMSS. We all know that PISA is considered an international research program for evaluating students' literacy. The main purpose of the programme is to determine the literacy of 15-year-olds in three areas: reading, mathematics and natural literacy. Regardless of which subject the assignment refers to, there is a special emphasis on the direction of study at the time. There are several gaps in our education system in the process of studying and implementing xalgae experiments in evaluating the quality of education. The level of ability of students to apply theoretical knowledge gained to life is not good. International evaluation programs are the basis for the preparation of competitive personnel in the world market , addressing such shortcomings. Today's teacher needs to have universal (cosmopolitan) knowledge to provide the student with perfect teaching in all aspects. This illustrates how important the dreamof interdisciplinary

integration is. Uzbekistan is now a member of a number of international evaluation programs to know the intellectual and competence of its young, if necessary, the reader's logical to improve their thinking and worthiness. The use of interdisciplinary integration in each lesson will be an important factor in achieving good results in the testing of international assessment programs for students ' knowledge.

Integrated lesson – In an integrated lesson, the subject of analysis is multifaceted objects, and information about their nature is available in a variety of information. This leads to the emergence of a new type of quality knowledge expressed in general scientific concepts, categories, and approaches. The participation of relevant science teachers in organizing integrated lessons solves the psychological problem, allowing educators to easily enter the new data block, promotes the growth of the level of general and cultural culture of the teacher.

Interdisciplinary addiction between biology *and physics:* Achievements in physics in the years to come, including nuclear energy, rocket engineering, semiconductor technology , and so on the development of science and the creation of new discoveries in them have had a profound impact on the development of other subjects, such as biology, including the discovery of optical and electron microscopes And the. Biology significantly fills and changes the natural physical foundation of the world and incorporates integrated knowledge of the characteristics of physical processes. Any changes or events will take place on the ground that surrounds us. Through microscopes, it was possible to study the cellular structure of living organisms, the complex processes that take place in the cell. The resulting embryo was allowed to develop in nutrients and then inserted into her womb, where it implanted it was possible to determine its role in being. Mechanical, thermal, electrical and light events are studied in physics. All of these phenomena are called physical. Physical processes and phenomena occur in living organisms. With the help of knowledge of fisication in zoology, they tell how the movement of animals on land and fish in the water happens, how different animals sound explains their output and perception, how their visual organs are arranged , and much else. The interdisciplinary relationship between biology and chemistry: Chemistry belongs to natural sciences. It studies the composition, structure, properties and transformations of substances and events that accompany these transformations. It is closely related to chemistry, physics and biology. The science that has been formed between chemistry and biology is biochemistry, and three bioorganic chemistry bioorganic chemistry. Chemical processes, the composition of substances, and so on are studied in living organisms. With the help of knowledge of acids, catalysts, alkaline and neutral environments , enzymes are studied. The conversion of lung and tissue gases and the function of transporting blood are studied based on knowledge of oxidation. At the same time, the chemical composition of the cell, the detection of anorganick and organic matter, the characteristics of proteins, carbohydrates, lipids, molecular structure, determining their functions in a cell, and the law of mode and energy preservation to study the nuances of mode and energy conseverence in a cell created the earth.

Interdisciplinary relationship between biology *and mathematics:* Students are taught mathematics in solving issues solved in the way of accounting given in school textbooks by biology n knowledge will be desperately needed. Specifically, if a student does not have enough mathematical knowledge to solve genetic issues, the student will not be able to do so.

Interdisciplinary relationships between biology *and other subjects:* Relying on relationships with social technology and agricultural fan, biology is "nature-human", "nature is society-labor" opens up their relationships. Interdisciplinary relations in the teaching of biology, scientific interactions that develop in the process of scientific, technical, and social development, as well as other forms and practices of the scientific and social mind is designed to reflect their relationship with. Neighbor fanlarga doir materiallardan biology darslarida foydala Nish fanlararo incompatible aloqadorlikni sideada mustahkamla. Interdisciplinary affiliation is necessary to explain the content of the topics in all aspects and in detail. Students should pay attention to the main content of subjects that are strongly connected to them, which help to reveal important ideas in biology .

Ta'limda integratsiyalashgan yondashuvning afzalliklari:

1-Ta'lim oluvchilar uchun:

- Helps to develop and develop a more objective and comprehensive image of the world, a holistic worldview and a common culture
- Opens the way for a dream of the need and social significance of a more active, personally meaningful understanding of knowledge
- Expands the possibilities of developing intellectual creative thinking
- Allows you to more actively apply their knowledge in practice, because knowledge more easily reveals its practicality
-The learning process removes a surplus load

2-Ta'lim beruvchilar uchun

- Increases compliance with the modern level of scientific ideas about the world
- Cultivates the ability to open a multi-dimensional picture of the world in dynamics, in many relationships, in front of a student
- To expand the "horizons" in teaching the "Own" subject and to implement new perspectives of activity . The teacher sees and reveals his work in a new way, more accurately understanding his relationship with other subjects.
-IntegratedIV encourages a student (teacher) to look for new methodological forms of interaction
- Develops the ability to unite the efforts of various specialists in solving common problems, to take into account the value directions and motivation of students
- Developing, developing and educating individuals, taking into account its cognitive intentions, abilities and capabilities, developing students' natural sciences h and quality new pedagogical to get results.

To put it another way, the level of dependence of science, as well as the changes that are taking place in these subjects, the results of the new study, the awareness of updates, the ability to use them correctly in the teaching process is a requirement imposed on a modern teacher. This, in turn, serves as one of the main factors in the study, the absorption of the subject's content into the minds of the students, and the increase in its effectiveness. The correct selection of methods and methods according to the subject of the lesson, as well as the successful implementation of them, depends on the teacher's pedagogical skills. The technology of interdisciplinary connectivity in biology is aimed at conducting the learning process meaningfully and effectively in academic lyceums and vocational schools , technologies can also be applied at different stages.

Adabiyotlar

1. "Current Tasks of 21st Century Pedagogy" People's Education, 2007
2. D.M. Rakhmonova Qarshi State University. Modern primary and pedagogical education: theoretical and practical innovative teachings. Republican Scientific Practical Conference: Interdisciplinary consistency and relationships are an important factor in the development of student cognitive processes. April 2020.
3. Life of Science. -M.: Science, 1973
4. Gaydenko P.P. Rationality Problem at the end of the 20th century . - Philosophy Questions. - 1991. - No. 6. - B. 3-14.
5. Philosophy of Science of Ilyin V.V. - M. Published by Moscow State University, 2003. - 360 b.
6. Applying an integrated approach to general secondary and higher vocational education, D. A. Artemyeva, M. N. Berulava, I. G. Eremenko, E. V. Bondarevskaya, V. A. Slastenin Vs. State of Etc.
7. www.google.com