

DIDACTIC OPPORTUNITIES TO ENSURE CONTINUITY AND CONTINUITY OF NATURAL SCIENCE TEACHING

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ABSTRACT

In this article, the nature and place of the subject matter of "Natural sciences" in the preparation of primary education teachers for professional pedagogical activity is the formation and deepening of the teaching of a particular series, The concept of rationality and continuity is described in didactic options.

Keywords: Integrity, continuity, stability, consistency, conformity, didactics, natural sciences and teaching methods.

INTRODUCTION, LITERATURE REVIEW AND DISCUSSION

Elementary education specialists are trained in the field of "natural sciences" in the field of preparation for vocational pedagogical activity, and the relationship between science and other disciplines helps to create an environmentally friendly environment. The methodology of the unit demonstrates the relevance of the problem to the lack of continuity in the teaching of elementary education in the training and retraining of primary education specialists.

The effective organization of the learning process and the achievement of particular successes depend on a number of factors. One of the important factors is the recognized and proven educational principles recognized in world pedagogy

The principles of education are the requirements of the teaching process, and are a set of essential guidelines that define the nature of education and its effectiveness. In times of study, learn these principles and apply them in practice. He has a great deal of interest in attending different times and under particular circumstances, such as Faribiy, Ibn Sina, Beruni, John Locke, Komensky, Ushinsky, Disterveg, Eastern and Western thinkers and advanced educators. they have come to the same conclusion as the general rule of law and the necessary condition of teaching didactic principles. Specifically, the intellectuals have the principle of continuity and consistency to grow human beings through logical consistent and complete mastering of knowledge the main tool.

In the Uzbek-language dictionary, "Uzvi" is an integral part of something that is closely related to it¹.

1. In a normal, uniform manner, one direction will be continuously evolving.
2. It is interpreted as interference without any internal conflict, based on harmony and logic.

¹ Ўзбек тилининг изоҳли луғати 4 жилд Ўзбекистон миллий энциклопедияси Давлат илмий нашриёти 266 бет

There is philosophical, psychological and pedagogical aspirations of philanthropy. In philosophy, interconnection and interconnection are the means of communication between the old and the new. Interconnection is the transition from one stage to another.

Philosophy "The continuity in the dictionary is as follows:" ... the integrity and integrity of the systems of different elements, their interrelationship and interconnectedness, the evolution of the situation, the inevitability of a particular situation the state of affairs.

Concertion is an important quality that symbolizes the formation of a particular educational process in a particular context, Concern is an important quality representing a particular array of educational process, which ensures the strengthening, enhancement and deepening of knowledge, skill and skill in a particular stage. There are two types of interrelationships: Firstly, interconnection between types (syllabuses). Secondly, interconnection between teaching subjects. This is usually done through interdisciplinary or interdisciplinary communication².

In the education system, there is a need to find effective solutions and solutions to the problem of integration, and to develop it into practice.

The choice of educational content that corresponds with the age characteristics of the trainees is based on the principle of impartiality, it is important to have pedagogical justification. Based on the capabilities of the educational content, existing and new knowledge, skills, skills and skill development will ensure the full acquisition of learners. interconnectedness not only depends on the content of the curriculum and curriculum of a specific subject but also applies to the curriculum of related disciplines the effectiveness of the learning outcome³.

Continuously, successively, successively, gradually, continuously. Continuously, consistently, consistently, continuously⁴.

Continuously represent the unity, interconnection and interconnection of complex elements in complex systems, and the relative stability of a given object and divorce⁵.

Continuous education⁶ is a one-to-one education system, which is based on harmonious, consistent and consistent stages of development that is sophisticated and consistent.

The German pedagogue I.Gerbert was psychologically justified in the problem of prowess. He taught, demonstrated, communicated, communicated a variety of interdisciplinary relations, including interdisciplinary, interdisciplinary and interdisciplinary communication, it must be philosophical justification. The English philosopher and pedagogue John Locke writes on the idea of an interconnection between teaching subjects: "The correct orientation of all subjects is not only the foundation of science, but also the formation of the child's mental and behavioral skills, developing skills and abilities, enriches ".

² J.Hasanboev, H.Turakulov, M.Haydarov, O.Hasanboeva, N.Usmanov. Glossary of pedagogical dictionary.T.: "Science and Technology" 2009.

³ J.Hasanboev, H.Turakulov, M.Haydarov, O.Hasanboeva, N.Usmanov. Glossary of pedagogical dictionary.T.: "Science and Technology" 2009.

⁴ Explanatory dictionary of the Uzbek language. Volume 4 The State Scientific Encyclopedia of Uzbekistan, 2006

⁵ Philosophy: Encyclopedic dictionary / Institute of Philosophy and Law named after I.Muminova - State Scientific Publishing House of National Encyclopedia of Uzbekistan, 2010

⁶ J.Hasanboev, H.Turakulov, M.Haydarov, O.Hasanboeva, N.Usmanov. Glossary of pedagogical dictionary.T.: "Science and Technology" 2009.

In his research S.M.Godnik emphasized that "interconnection between pedagogical processes and phenomena is solved by the interconnectedness of dialectical contradictions between old and new, new and old."

V.Senashenko points out the following three elements in the provision of school and tertiary education:

1. Ensure the continuity of the curriculum of the educational institutions of both educational institutions.
2. Providing interconnection, ie the first year student of the university must first repeat the course.
3. Reducing the student's interest in reading, not adapting the student through the differences between teaching methods and higher education modes.

Concert is an important quality that demonstrates the organization of the educational process in a specific sequence that ensures the strengthening, expansion and deepening of the knowledge, skills and skill that constitutes the content of the previous stage of the curriculum.

It is evident that the issue of interconnectedness in education is a serious and important principle that defines its effectiveness, is recognized as legitimate and has been thoroughly studied in a number of scientific research, but the theme of the content of elementary education "nature science" has not been studied as a separate scientific research object.

Based on the theoretical and analytical metadological principles of the concept of abstinence and continuity, the systematic organization of didactic principles in the preparation of primary education specialists for vocational and pedagogical activities will ensure the continuity and continuity of the content of "natural sciences" in improving the quality and effectiveness of elementary education.

In the field of natural sciences, the interconnection is applied in three different forms. First, the interrelationships between the types (syllables)⁷.

At the same time, the next type of education will continue to improve with the subsequent types of education, which will partially repeat the previous one and will be contextually related.

Secondly, the link between subjects and subjects of natural science, which is very important in natural sciences education than other subjects. Third, it is done through interdisciplinary or interdisciplinary communication. In the field of natural sciences, the content of the curriculum is based on a specific sequence, systematic allocation, based on available knowledge, the use of learning materials at a later stage, and the continuity of the educational process. In the preparation of teachers of the elementary education for professional pedagogical activity the teaching subject "Natural sciences and methods of its teaching" (the name of the curriculum in the current curriculum) is taught in the direction of primary education of pedagogical higher educational institutions. The students have a profound understanding of contemporary knowledge, in particular in the systematic mastering of nature knowledge, skills and skills, and their ability to guide their skills, based on their knowledge of natural sciences, at the lower levels of education.

⁷ M.Shirinov "Scientific research on natural sciences teaching as a mechanism of continuity in teaching science as a mechanism for increasing the effectiveness of teaching" / Journal of Modern Education №3 2018

Prerequisites To study the knowledge of natural science, you must adhere to the didactic principles. We know that didactics in pedagogical sciences have didactic principles for all subjects that have didactic principles in improving the continuity and continuity of the teaching of "natural sciences". The history of didactic principles shows that a few generations of scientists have been searching for a set of didactic principles so as to make it clear that teachers have no intention of sparing no time and effort.

1.The principle of consciousness and activity when teaching the science of natural sciences requires

The principle of optimism and activity is based on the principle that it is based on this principle that human beings can acquire real knowledge because they are intensely used by their intensive knowledge of the knowledge⁸.

2.Follow the principle of observance in the teaching of natural sciences

The principle of exhibitionism is one of the most well-known principles that has been widely used in ancient times. The basis of this is the following: Firstly, the information obtained through the visual and auditory effects can have a different effect on the brain and stored in different memories. In short, when you visualize, you receive five times more information than you hear with your ear, and the level of protection in the brain is also high. Secondly, the review does not require processing⁹.

3.The principle of systematization and regularity in the teaching of the science of the subject requires

The principle of systematic and regularity - this principle rests on the following objective principles: a person must have a true and active knowledge only when the outside world is clearly reflected in his / her own thinking, the main method of forming a scientific knowledge system in mind, the organization of targeted formal education, that the teaching of science is a slim model of a great science, og'liqlikni to show the development of theoretical knowledge, always check to go, I was going to study the object, the subject, theoretical framework, the basic theory, and its boundaries are constantly reminded of their implementation.

4.The principle of consistency in teaching the theory of natural sciences - the principle of compliance requires

The principle of consistency is reflected in the long-term research of all progressive teachers and pedagogues. The theoretical knowledge and the emperor's knowledge are consolidated¹⁰.

The process of gaining knowledge is extremely complicated, and recent studies have altered the process. Prerequisites can only be understood, remembering what they believe to be true, and training them to use different dictionary and encyclopaedias to keep the memory of the student's memory away from recollection. Keeping the information in mind is a good way to keep them in mind, to keep it interesting, to use visual aids, refrain from giving you easy and one-to-one tasks, keep them up-to-date with the kids, keep the kids from getting tired of the right use of modern controls, assessment.

⁸ Mavlonova R, Rakhmonkulova K. Matnazarova M. Shirinov, S. Khafizov Pedagogy. Textbook for Primary Education Requirements T.: Science and Technology, 2018

⁹ Mavlonova R, Rakhmonkulova K. Matnazarova M. Shirinov, S. Khafizov Pedagogy. Textbook for Primary Education Requirements T.: Science and Technology, 2018

¹⁰ Mavlonova R, Rakhmonkulova K. Matnazarova M. Shirinov, S. Khafizov Pedagogy. Textbook for Primary Education Requirements T.: Science and Technology, 2018

5. The principle of clarity when teaching the theory of natural sciences requires that

The principle of understanding - this principle is based on the one hand, on the one hand, the requirements of other didactic principles, on the other hand, the age of the students, and on the third party, on the basis of many years of pedagogical experience¹¹.

The clarity of what is given is dependent on the individual's age of the child that carries it, clarity depends on the organization of teaching and the methods and methods used, the accuracy of the knowledge depends on the level of the student's knowledge and the quality of the knowledge, the dependence of the knowledge on the pace of its deployment, and so on.

6. The principle of scientificity in the teaching of natural sciences requires

The principle of sci-fi is a set of laws based on this principle. Including:

- learning the world and learning the laws that humanity has identified and practiced;
- educational process - means the system of information about the objective universe accumulated by scientific activity to the growing generation;
- science - requires knowledge to be given in a given sequence;
- science is also determined by the conformity of the given knowledge to the current social and scientific-development level, as well as to the conformity with the established program and work plan.

7. The principle of the theory and practice of coaching the teaching of natural sciences requires that

The principle of theory and practice is based on the central rule of philosophy's theoretical knowledge theory. The first and fundamental point of the knowledge is that of the concept of life and practice. It is based on the following principles: The accuracy of any knowledge is tested in practice, the criterion of practice, the source of knowledge and the scope of the research results, the correct organization of the learning depends on the life, the effectiveness of the education is determined by its dependence on practice¹².

Ask students to test their knowledge in practice. Practice the connection of the school with the production.

The continuity and continuity of the teaching of "natural sciences" is based on didactic principles:

In the development of "natural sciences" the motivation for the development of the inner motivation of students in the development;

In the field of "natural sciences" the students acquire theoretical and intellectual skills in processing information, increasing the physical, ethical, and willpower to achieve their learning goals;

¹¹ Mavlonova R, Rakhmonkulova K. Matnazarova M. Shirinov, S. Khafizov Pedagogy. Textbook for Primary Education Requirements T.: Science and Technology, 2018

¹² Mavlonova R, Rakhmonkulova K. Matnazarova M. Shirinov, S. Khafizov Pedagogy. Textbook for Primary Education Requirements T.: Science and Technology, 2018

"Natural sciences" can be linked to other concepts of science in mastering the concept of science, thus increasing their learning and learning activity, and as a result, the students' scientific outlook on nature and the environment will expand and their life skills will grow.

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