

**PEDAGOGICAL FOUNDATIONS OF THE USE OF AN
INTEGRATIVE APPROACH AND INTERDISCIPLINARY
CONNECTION IN THE EDUCATIONAL PROCESS**

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Abstract:

Integration in education is the establishment of connections between the components of the content within a certain educational system in order to form a holistic view of the world aimed at the development of the learner's personality and self-development process. Integration is a process that teaches systematization and simplification of complexity in education.

Key words: Integration in education, systematic, functions, meaningful, operational, organizational, interdisciplinary - facts, concepts, transdisciplinary.

Today's education has increased interest in the problem of integration due to the acceleration of scientific and technological development, the strengthening of integrated functions in the development of science, education, politics, manufacturing, and technology. Simultaneous conduct of education and training in Oriental countries is also integrated. Generally speaking, when we look at the world as a whole, any processes taking place in it are incompatible with each other. Integration, on the other hand, reflects on these relationships. A wealth of experience has been accumulated in studying integration problems in domestic and foreign pedagogical sciences. At various times, the task of using interdisciplinary affiliation in teaching can be carried out both within the framework of a previously formed system and within a new system. Integration in education is the process of establishing relationships between the components of the content within a certain educational system to form a holistic view of the world aimed at personal development and self-development of the teacher. Integration is a process that teaches to alleviate complexity in education, to systematically. Integration of disciplines in modern education is one of the ways

to actively look for new pedagogical solutions, develop the creative potential of pedagogical staff in order to effectively and fundamentally influence teachers. An integrated approach is one that helps students prepare their profession as professionals. Integration will prevent students from gaining scattered knowledge, disintegrating their knowledge, ensuring that they acquire holistic knowledge and a framework of universal values. The principle of integration includes the interconnection of all components of the learning process, all elements of the system, the connection between systems, which is the leader in determining the content of the teaching, its forms and methods in determining the purpose. An integrative approach means implementing the principle of integration in any component of the pedagogical process, ensuring the integrity and consistency of the pedagogical process. Through integration in education, science and interdisciplinary relationships can be taught in an incompatible way. It gives students a holistic understanding of the world, the perception that systems are interconnected. In particular, it is clear to all of us that student speech can be cultivation through events taking place in nature. Natural phenomena and environmental processes can be explained through poems, stories, and images that are used to cultivate speech. This will enable a student to develop strong memory, a high imagination, and improve the quality of education in them, not only to ensure that future engineers are well-educated. Researcher [1.14-b] also divides interdisciplinary affiliation into the following types:

- 1) meaningful;
- 2) operational;
- 3) methodological;
- 4) organizational.

As B.Abdullaha notes, skills and skills constitute the educational process through thought operations.

There are three levels of integration.

integration of concepts, knowledge, skills, and so on. inside individual elements; interdisciplinary synthesis of facts, concepts, principles, etc. two or more disciplines;

transdisciplinary is a synthesis of components of the basic and additional content of education. What opportunities integrated learning gives us [1.14-b].

An integrative approach gives us the following options.

creates the necessary conditions for the formation of an expert;

teaches the learner to understand the world in a holistic way;

nurtures to the extent that one can actively act in the social and professional sphere;

provides students with more requirements for improving the quality of education and motivates the student to improve the quality of teaching and the quality of their knowledge;

Different subjects are interconnected. Integration allows students to engage in an active co-creativity process. This is a well-thought-out educational and educational process that helps to revisit the overall structure of organizing education and prepare students for the perception process. Teaching students how to understand and analyze information, they develop concepts and ideas about the interaction of all processes in the world as a whole. Alternatively, there are also the disadvantages and negative consequences of an integrative approach. The application of the reproductive method through integration in education involves the use of materials studied by one student, as it is one of the most effective methods in education. For example, visual examples help you to learn well in the instructions and rules and to strengthen your knowledge.

Y. M. Kolegin and O.L. Alexinko point out the negative factors of integration: "The limited number of curriculums can be supplemented by reflecting the true appearance of the universe and the interrelationship of its parts;" the need to develop very important reading, writing, and digital skills [2].

(Matthew 24:14; 28:19, 20) Today's requirement is to improve the mathematical preparation of future engineers. Students are important in higher mathematics, formation, solutions for mathematics are practical tasks, simulation events and processes, ongoing decision production. At the same time, it is considered one of the trends in the development of modern education. The reduction amounts are one of the trends in the development of modern education at the same time as the clock, focused on reading. During the training of the hours allocated for higher mathematics, interdisciplinary integration is being taught at technical universities. To assist individuals desiring to benefit the worldwide work of Jehovah's Witnesses through some form of charitable giving, a brochure entitled Charitable Planning to Benefit Kingdom Service Worldwide has been prepared.

At the time, the engineers in the main direction are mathematical wristbands, and these are the engineers of the future.

The following are some of the ways to improve the mathematical component of a higher education institution:

studying professional orientation;

mathematical mathematics of interdisciplinary connections in use ;

Didactic state in the created situations;

mathematics based on a qualification-based approach;

studying certain technologies of use;

competent approaches along with usage

Who learning is mathematics (integrated, operational, personally oriented, etc.).

The problem of integration in education has a long history that is important to understand. Understanding under integration (Latin for integration - recovery, filling) is the only whole or process that integrates into separate parts, which leads. At the same time, it facilitates students' interdisciplinary connections and events and processes in their work activation [3].

References

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