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INTEGRATED EDUCATIONAL METHODS AND THEIR SIGNIFICANCE IN EDUCATIONAL EFFICIENCY

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Abstract. This article discusses the essence of integrated learning methods, their role in the modern education system, and their importance in developing students' knowledge, skills, and competencies. The article analyzes interdisciplinary integration, innovative pedagogical technologies, and methods for organizing integrated lessons. It also presents scientifically based ideas about the advantages of integrated learning, its role in developing students' thinking, and the possibilities of practical application.

Keywords: Integration, integrated learning, interdisciplinary connection, pedagogical technology, innovative methods, educational effectiveness, competency, modern education, interactive methods, independent thinking.

Today, modernization of the education system, more effective organization of the learning process of students and their formation as comprehensively developed individuals are one of the urgent issues. The development of modern society requires the education system not only to teach individual subjects, but also to explain them in an interconnected manner. Therefore, the use of integrated teaching methods has become an important direction of today's pedagogical process.

Integrated education is a pedagogical approach aimed at forming a holistic knowledge and worldview in students by ensuring the integral connection between different subjects. In the process of such education, the student learns to apply the knowledge gained in different situations, and develops analytical and creative thinking skills.

Especially in the era of globalization and the development of information technologies, integrated teaching methods are gaining importance in the formation of modern competencies of students.

The concept and essence of integrated education. The word "integration" is derived from the Latin word "integer" and means "wholeness", "union", "harmony". In pedagogy, integration is the process of ensuring the interconnection of different disciplines, knowledge and types of activity.

The main goal of integrated education:

- to form a holistic worldview in students;
- to convey the interrelationship of disciplines;
- to connect theoretical knowledge with practice;
- to develop independent and creative thinking.

In traditional education, subjects are taught separately. In integrated education, one topic is covered in connection with several subjects. For example, in a history lesson, information related to literature, geography or spiritual sciences can be used.

-This helps students understand the subject more deeply.

-Basic principles of integrated education.

-Integrated education is based on the following principles:

-Interdisciplinarity. Revealing the interrelationships of different subjects is a key aspect of integrated education. The student studies subjects not separately, but in connection with each other.

For example:

- native language and literature;
- history and spirituality;
- biology and chemistry;
- mathematics and computer science.

Systematicity. Knowledge should be given systematically in the educational process. Integration forms a holistic knowledge system in students.

-Practical orientation. In integrated education, theoretical knowledge is connected with practice. Students learn to analyze life situations and solve problems.

-Activity and independence. In integrated lessons, students actively participate, independently search and work creatively. This increases their interest in learning.

-Integrated teaching methods. Integration based on interactive methods.

-Interactive methods are an effective means of integrated education. The following methods are widely used:

-“Brainstorming” method.

-Through this method, students think about one topic by connecting it with different subjects.

For example:

The topic “Nature Conservation” is integrated with:

- biology;
- geography;
- spirituality;
- ecology.

This method develops students' free thinking.

-“Cluster” method. Through a cluster, a topic is centralised and related concepts are branched out across disciplines.

For example:

-The concept of “Homeland” is linked to:

- history;
- literature;
- music;

-spirituality.

- method broadens the thinking of students.
- to develop independent and creative thinking.

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This method expands students' thinking.

“Case study” method. This method is based on the analysis of life situations. Students analyze the problem from the perspective of different disciplines.

For example:

The topic “The influence of the Internet on the minds of young people”:

- psychology;
- computer science;
- spirituality;
- integrates with law.

Project-based learning method. Students work on a specific project and apply knowledge gained from different disciplines in it.

For example:

The project “Environmental problems”:

- geography;

- biology;
- chemistry;
- combines computer science.

This method develops creativity and research skills.

Advantages of integrated education. Forms holistic knowledge.

The student studies disciplines in relation to each other. As a result, a holistic worldview is formed in him.

Develops independent thinking. In integrated lessons, students analyze, compare, and draw conclusions. This develops critical thinking.

Increases the effectiveness of education. Since one topic is explained in relation to several subjects, students understand and remember the topic more deeply.

Increases students' interest. Various methods, multimedia tools, and interdisciplinary connections help to organize the lesson in an interesting way.

Forms life skills.

Integrated education:

- problem solving;
- communication;
- teamwork;

develops skills in working with information.

The effectiveness of integrated education depends on the pedagogical skills of the teacher. The teacher must:

- correctly organize interdisciplinary connections;
- use modern methods;
- direct students to independent activity;
- create a creative environment.

The teacher must also effectively use information and communication technologies. Multimedia tools, electronic presentations, and online platforms expand the possibilities of integrated learning.

Nowadays, the education system is developing on the basis of a competency-based approach. This requires students not only to have theoretical knowledge, but also to have practical skills and creative thinking.

Integrated education:

-helps to adapt to modern professions;

- develops innovative thinking;

- - trains competitive personnel.

Therefore, the use of integrated approaches in today's education system is an important pedagogical requirement.

In conclusion, integrated educational methods are an important component of the modern education system. This approach allows students to understand the interrelationship of disciplines, develop independent and creative thinking, practical skills, and apply knowledge in life.

Through integrated education, students not only acquire knowledge, but also form the competencies necessary for successful functioning in modern society. Therefore, the effective use of integrated methods in the educational process is one of the urgent tasks of today.

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