

THE PROCESS OF WORKING WITH INFORMATION IS THE CONTENT OF IMPROVING STUDENTS' COMPETENCE

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ABSTRACT

As a result of socio-economic changes in our country, the need and task of modernizing many social institutions and, first of all, reforming the education system has arisen. As stated in the National Curriculum of General Secondary Education aimed at the development and regulation of the educational system, mathematics has been identified as one of the priority directions of the development of science in our country in 2020 and to bring the development of mathematics science and education to a new qualitative level a number of systematic works are being carried out. We all know that mathematics sharpens the human mind, develops focus, develops determination and will to achieve the desired goal, teaches discipline in an algorithmic way, and most importantly, encourages reflection and expands thinking. Honorable President Sh.M. As Mirziyoyev noted, "Mathematics is the basis of all sciences. A child who knows this subject well will grow up to be smart, broad-minded, and work successfully in any field" [4]. In these areas, new, modern electronic textbooks for students are being created and published based on the requirements of the times. The variety of the Mathematics textbook, published in 2021, and the cognitive and creative nature of the tasks are of special importance. "We are the representatives of the enlightened people who consider the teacher as great as a father and always honor him. When I think of a teacher, I think of intelligent and modern, sincere and kind people who are the most dear and respectful to me. Because this teacher gave lessons and education to all of us and raised us among our loving parents. Today, we are creating the foundations of a new era of development of Uzbekistan. In this, our closest assistants are teachers and trainers, scientific and creative intellectuals. If the method of teaching in the school does not change, the quality, content, and atmosphere of education will not change," says Shavkat Mirziyoyev [6]. In this regard, the experience of Finland was given as an example. This country is one of the most advanced in the world in general literacy, science and mathematics.

In our country, mathematics has been identified as one of the priority directions for the development of science in 2020, and a number of systematic works aimed at bringing the development of mathematics science and education to a new high-quality stage are being carried out. At the same time, the competencies that must be acquired in the National program of mathematics are considered important [2].

The concept of "competence" entered the field of education as a result of the scientific research of psychologists. From a psychological point of view, competence is "how a specialist behaves

in unconventional situations, unexpected situations, engages in communication, takes a new way in relations with opponents, performs ambiguous tasks, uses conflicting information, has a plan of action in consistently developing and complex processes." means

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We witness that professional competence is clearly manifested in the following cases [5; 7-b]: in difficult situations:

performing unclear tasks;

using conflicting information;

being able to have a contingency plan

First of all, the pedagogue himself should have certain competencies, and then he should develop them in students. It is assumed that the student will try to answer the tasks according to the competences related to the subject that should be formed: the events and phenomena, principles and their differences and similarities. On the basic competencies that should be formed in the student in mathematics lessons:

Communicative competence. It is noted that he communicates in his native language, makes mistakes when expressing his thoughts verbally, has difficulty in formulating and answering simple questions, lacks confidence in his knowledge and strength.

Information competence. Inability to use available sources of information (Internet, television, radio (audio-video recording), telephone, computer, e-mail, etc.), inability to work with simple documents encountered in daily activities is taken into account.

Self-development competence. Continuous human physical, spiritual, mental, intellectual and creative development, striving for perfection, independent study and learning throughout life, independent systematic improvement of cognitive skills and life experience, alternative assessment of one's own behavior and independent decision making refers to acquiring the skills to do.

Socially active citizenship competence. Ignorance of one's civil duties and rights. Inattention to events, events, and processes taking place in society, lack of a sense of belonging is taken into account (Table 1.2).

Table 1.1

Competency name	Formation of competences
Competence to work with information	You can use tasks that contain information presented in various forms (tables, charts, graphs, etc.). Task question can be formulated as follows: translation into graphic (verbal) form; if possible, at least describe them with a mathematical formula, text, picture, numbers; to conclude whether there is any regularity in this data, etc..
Communicative competence	You can use the group form of organizing students' cognitive activities in the classroom. For example: each group is invited to solve the problem in the suggested way and to prove the correctness of its solution to the other groups. Example: When studying the topic "Perimeter of a triangle", two groups are offered to solve the problem in the same way; Determine the perimeter of the triangle by measuring the length of the straight sides: a) in centimeters; b) in millimeters.
Self-development competence	Students should be offered the ability to independently study some theoretical materials, create assignments, and work independently with various sources of information..
Socially active citizenship competence	Students can be given tasks that require them to explore all possible options and draw a specific conclusion. Or tasks that require analyzing the proposed situation, setting a goal, planning the result, developing an algorithm for solving the problem, analyzing the result: a) educational experiment: - practical work; b) homework on the direction of search; c) interactive lessons; d) research tasks.

The use of competence-oriented tasks in the lessons of learning new material makes it possible to create conditions for the formation of concepts, formulation and mastery.

Mathematical literacy, awareness of science and technology news and competence in use. It is noted that he strives to create personal (private) economic plans based on simple calculations related to his daily needs, and is ignorant of science and technology innovations.

Competence to work with information means that we can understand and tell information from what we see on TV and hear on the radio.

Competence to work with information means that the learner will be able to search for, sort, process, store and effectively use the necessary information from media sources, ensure their safety, and develop the ability to acquire media culture.

Practical exercises and application and project work were included in the science curricula in order to form science-related and basic competencies in students, to increase their interest and enthusiasm for learning general education subjects by performing small educational research with them. It is determined that this situation not only improves the quality of mastering of a specific academic subject, but also opens opportunities for inter-discipline and connection of science with everyday life and increases the effectiveness of education.

In the organization of mathematics lessons in educational institutions, it is required to pay more attention to practice than theory and to abandon the approach based on providing students with ready-made educational materials [6; 47-p].

One of the main tasks of teaching mathematics is to abandon to a certain extent the approach based on theoretical teaching of mathematics and providing students with ready-made educational materials, to form and improve the potential of students to apply mathematical knowledge and skills in their daily life, to make students independent and free. is to demonstrate and activate thinking skills.

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