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## PSYCHOLOGICAL AND PEDAGOGICAL CONDITIONS FOR THE FORMATION OF DIGITAL LITERACY OF SECONDARY SCHOOL STUDENTS

**Abstract:** This article describes in detail the psychological and pedagogical conditions for the formation of digital literacy of schoolchildren. The priorities of modern education will be announced, and the importance of supporting students will be emphasized.

**Keywords:** digital literacy; innovation; student, education; school; technology; teacher.

**Аннотация:** В данной статье подробно описываются психолого-педагогические условия формирования цифровой грамотности школьников. Будут объявлены приоритеты современного образования, и будет подчеркнута важность поддержки студентов.

**Ключевые слова:** цифровая грамотность; инновации; ученик; образование; школа; технология; учитель.

Methodological problems of pedagogy have always concerned the most urgent, acute issues of the development of pedagogical thought. The study of psychological and pedagogical phenomena from the point of view of dialectics, that is, the science of the general laws of the development of nature, society and thinking, allows us to identify their qualitative specificity, connection with other social phenomena and processes. In accordance with the principles of this theory, the training, education and development of future teachers are studied in close connection with the real state of public life and professional activity. All pedagogical phenomena are studied in their constant change and development, in identifying contradictions and ways to resolve them.

It is known from the course of philosophy that methodology is the science of the most general principles of cognition and transformation of objective reality, about the ways and methods of this process. The effective solution of the problem that we take on the object of research directly depends on the correct definition of its methodological positions. The analysis of common research positions allows us to talk about deep internal unity, interconnection, complementarity, identity, feasibility of the problem under study.

Therefore, analyzing the theoretical and methodological foundations available in science, it was decided that for our work, guided by the unity of competence, activity, axiological and semiotic grounds - improving efficiency. Since their individual elements are reflected throughout the history of human cognition of the game, we believed that they would be the main condition of the problem we are studying.

Analysis of scientific literature in the field of digital literacy, pays special attention to the competence approach of methodology. The concept of the foundation of digital literacy is aimed at the formation of a personality that is characterized by a holistic ideological and cognitive basis, as well as the ability to adapt to life situations. The idea of a competence basis arose due to the inability of the modern content of education to meet the requirements of modern economics and civilization. It is aimed at forming a new content of education, creating innovative methods of presenting content in accordance with it, meeting the needs of society in open demand.

The considered basis contributes to the formation of students' ability to evaluate any information, making productive in the formation of digital literacy, reliance on curiosity, creativity of the student in the analysis of information, the organization of regular examinations and reflections.

Summing up, we believe that in solving the problem of the formation of digital literacy in schools, it is necessary:

- contributes to the formation of the student's ability to comprehend the essence, the game, through reflection, research, evaluation, and not awareness of information;

- promotes the development of methods of independent digital literacy based on experience;

Currently, in the world, objective information about the national value and competitiveness of the state is determined by the intellectual measure of human capital. To achieve high competitive abilities, it is necessary to use a modern and effective education system.

The "Law on Education "of the Republic of Kazakhstan states:" one of the main tasks of the education system is the introduction of new learning technologies, informatization of education, access to international and global communication networks." In the course of implementing these tasks, educational institutions and pedagogical science are now developing new approaches to the philosophical foundations of education, strategic directions, goals and content of the education system, methods and techniques for its implementation.

The task of the teacher is to form and develop the necessary abilities of the individual to himself, society and create favorable conditions for self-education and self-development. Every teacher should look for effective ways of high-quality education and conscious upbringing, because the XXI century is the age of informatization of the education system. Therefore, it is necessary that the teacher be not only a deep expert in his subject, but also a specialist with theoretical, regulatory, psychological, pedagogical, didactic, methodological competence and information competence in mastering the capabilities of information and computer technology tools [4].

A digital educational resource cannot replace the teacher, but it provides additional materials to the teacher, i.e. it allows you to fully study the content of the lesson using multimedia and information and communication technology capabilities, draw students' attention to the most important educational topics, if necessary, focus students' attention on the features of the studied manifestations, visually present it, present the lesson content taking into account changes taking place in society, allows you to provide a link with the experience, interests of students in the subject, etc. phenomena. [5, p. 27].

The fruitfulness of educational work is, first of all, the result of the child's interest in knowledge. It is impossible to raise a child by force if he does not try to learn by himself. To generate interest, students need to explain the purpose and necessity of the transferred knowledge and teach them specific learning tasks.

Psychodiagnostic principles in the education system have specific features. Because many studies emphasize the need to distinguish between research-based psychodiagnostics and scientific-practical diagnostics. [4].

Scientific and practical diagnostics is focused on various tasks of social practice, the development of cognitive processes of students and the study of the humanistic orientation of the personality of teachers. In this context, the diagnosis of causes is the task of developing students' abilities and identifying teachers' creative abilities and will be aimed at studying the humane orientation of teachers' personalities.

Age features:

- further physical and psychophysiological development of the child, ensuring the possibility of systematic learning at school;
- improving the functioning of the brain and nervous system;
- instability of mental performance, high fatigue;
- neuropsychiatric trauma of the child;
- inability to concentrate for a long time, excitability, emotionality;
- development of cognitive needs;
- development of vocabulary, logic, and thinking skills;
- change in the ability to freely regulate behavior.

An important factor is the commitment of specialists and teachers to a common path of values, which is the basis of respect for the student and high enthusiasm in helping any child.

Properly organized consilium, of course, plays an important role not only in the system of psychological and pedagogical support for students, but also in solving issues of improving the quality of the educational process at school.

The XXI century is the era of knowledge and skills. Everyone can increase their competitiveness only by constantly improving themselves, mastering new professions and constantly adapting to the passage of time. Education and technology, high labor productivity should become the main driving force of the country's development [2]. At present, which nation has clear eyes, it is awake, and this country is moving forward. And in order for the future to be strong, today we must strengthen the course of education and attach importance to the most universal rational methods and techniques.

As modernity develops, significant changes are also being made to the educational process, and the requirement to master new educational skills is deeply on the agenda. A teacher should not constantly

improve his skills, supplement knowledge and improve his skills. Only an advanced specialist will be able to train and hone students.

In modern education, we must use information technology as widely as possible. To date, all educational institutions are provided with special equipment. Nevertheless, the creation of favorable conditions and the development of comprehensive competence of future specialists is a big task for teachers.

Today, in the new century, there are more and more new programs and mechanisms of additional education. They help to save time and effort, allow for more systematic work. We were able to use most of these programs in the process of distance learning, creating conditions for further rapid and comfortable learning of students.

A teacher should understand that innovative education is a way of educating a harmonious personality. The dictionary of S. I. Ozhegov gives the following definition of the new. A new world is a world that was created for the first time or appeared recently, in the same place, rediscovered, related to the immediate past or present, insufficiently familiar, little-known [6].

The introduction of information technologies into the education system significantly diversifies the process of receiving and processing information. Thanks to the computer, the Internet and multimedia, students have a unique opportunity to sort and assimilate large amounts of information with its subsequent analysis. The motivational basis of educational activity is also significantly expanded. In the context of using multimedia, students receive information from newspapers, television, conduct interviews and teleconferences.

Advantages of innovative education-the sea. This will strengthen competition on the world stage and will help to find yourself among the best specialists in the country. In the Republic of Kazakhstan, the modern education system is significantly influenced not only by pedagogical and philosophical ideals, but also by social and political ideas and updates. One of them is the growing relevance of the issues of educating a spiritual and moral, multicultural personality, considering the organization of independent research work as a problem. The activity of a teacher in educating a person capable of taking his place in society, instilling noble values in a person.

New organization of school lessons using information technologies, creation of conditions for increasing the role and activity of teachers, formation of students' competencies based on theoretical, scientific, pedagogical and psychological research, education of students' virtue, patriotism, consciousness, morality, hard work through information technologies and innovative teaching methods. The use of innovative methods in the educational process, depending on the level of knowledge and age characteristics of the child, is the main task of research [3, p. 75]

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