CENTRAL ASIAN STUDIES

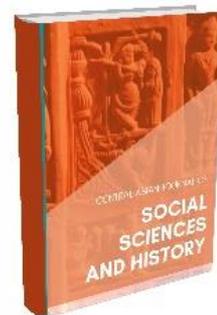## CENTRAL ASIAN JOURNAL OF SOCIAL SCIENCES AND HISTORY

Formation of Professional Competence of the Future Teacher in the Information and Educational Process

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Annotation:
The article presents the formation of professional competence of the future teacher in the information-educational process and problem solving.

Modern society is in a state of fundamental changes affecting all spheres of human life. Accelerating the pace of informatization, the development of network technologies, virtualization form a new structure of social relations. Informatization is becoming an integral characteristic of the modern educational space.

Today, a teacher is not just a specialist who has mastered modern methods of education and upbringing and effectively uses technical means in the educational process, but also continuously improves his professional competence. Its main task is to actively organize activities to assign students effective ways of working with information, which enables them to navigate the information educational environment and purposefully solve specific educational issues. The most important indicator of the teacher's professional competence is his readiness to use innovative forms and methods of teaching, the optimal use of modern multimedia technologies.

A characteristic feature of the professional activity of a teacher is the adaptation of students to the educational environment, the demonstration of the features of learning and self-education in the information society, the implementation of the developmental function of learning within the information environment of the school.

Of course, the information and educational environment is a significant factor influencing the process of forming the professional competence of a teacher. Currently, there are a large number of definitions of the concept of "information environment".

The information environment in a broad sense is a set of principles and real mechanisms that ensure the positive interaction of ethnic and national cultures, their connection into the common experience of mankind.

According to the modern researcher A.V. Ovcharova, the information environment is "a system of means of communication with human knowledge, serving both for storing, structuring and presenting information that constitutes the content of accumulated knowledge, and for its transmission, processing and enrichment" [2].

Yu.A. Schrader considers the information environment not only as a conductor of information, but also as an active principle that influences its participants.

According to E.V. Trubitsina, "The information and educational environment is a system designed and created by the subjects of education, capable of self-development, in which links and relationships are established between the subjects and components based on information activities to achieve educational goals. The information and educational environment is defined, on the one hand, as a software and hardware complex, and on the other hand, as a pedagogical system, therefore, when designing, modeling and developing the environment, not only "information, software and technical" nature, but also "social-psychological-pedagogical" questions" [3].

In modern pedagogical literature devoted to the problems of informatization, the use of information and communication technologies in education, such terms as "competence", "competence" are widely used. Their persistent application is justified by the need to modernize the modern school. The strategy for modernizing the content of general education states: "... the main results of the activities of an educational institution should not be a system of knowledge, skills and abilities in itself. We are talking about a set of key competencies of students in the intellectual, legal, informational and other fields" [1].

The development of the professional competence of a teacher is realized through the content of education, which includes not only a list of subjects, but also professional skills, abilities,

The information environment currently requires from a modern teacher new knowledge and skills built on the system of innovation, a special creative style of thinking that provides the necessary social adaptation to changes and orientation in the modern information flow, guaranteeing and stabilizing a worthy place in the pluralistic space of the information society.

V.A. Yasvin lists the following among the most important problems in the study of the information and educational environment:

➢ formation of a thesaurus - a system of information concepts that provide general and special orientation of a person in the surrounding information environment;

➢ the ability to carry out information activities, i.e. form their information needs and requests, master strategies and algorithms for optimized information retrieval and analysis of information sources, collapse and expand information, enter into various information contacts;

➢ preparedness of the individual for the effective use of any (traditional and computer) sources of information;

➢ reasonable regulation of information behavior of a person in the light of moral and legal norms developed by society;

➢ realization of the individual characteristics of the personality in its information activity [4,34].

The teacher must be aware of the essence of the ongoing changes in the content of education, be ready to master new software tools in the context of constant modernization. The teacher must be computer literate, have the skills to form the information literacy of schoolchildren, use the potential of the resources of the information and educational environment for the development and education of students.

As V.I. Shapovalov: "A specialist of the 21st century is a highly professional person who is able to think creatively, make non-standard decisions and bear responsibility for them. In all areas of activity, such competencies as social responsibility, adequate perception and mobile response to new factors, independence and efficiency in decision-making, readiness for democratic communication, socially active action, including the protection of one's rights, the ability to quickly adapt to new factors, are becoming increasingly important. conditions and other qualities that generally determine the competitiveness of the individual" [9, 116].

The activity of a teacher in the educational space will be carried out more successfully and with less psychological costs, only if he is able to skillfully and effectively solve professional problems using information technology. The professional competence of a teacher, built on innovative forms of education, increases his need for constant self-development and self-improvement.

Based on the foregoing, we can conclude that the school today is an information and educational environment that reflects the entire educational process. Informatization of the system of modern education imposes certain requirements on the professional competence of the teacher.

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