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## PEDAGOGICAL CONDITIONS OF IMPROVING METHODOLOGICAL COMPETENCE OF BIOLOGY TEACHERS

**Abstract:** The article describes innovative technologies for improving the methodological competence of biology teachers, unique pedagogical features of the science teaching methodology, methodical ways of organizing creative works based on the didactic goals and tasks of teaching.

**Key words:** Professional competence, the content of biological subjects, its teaching forms, methods, tools, professional pedagogical activity, self-development of teachers as individuals, the coherence of interactive methods and tools.

Decree No. PD-4947 of the President of the Republic of Uzbekistan dated February 7, 2017 "On the Strategy of Actions for the Further Development of the Republic of Uzbekistan" and Decree No. 997 of the Cabinet of Ministers dated December 8, 2018 "On Measures for the Organization of International Research in the Field of Education Quality Assessment in the Public Education System" - in addition, the Decree No. PD-5712 dated April 29, 2019 "On approval of the concept of development of the public education system of the Republic of Uzbekistan until 2030", the Decree of the President of the Republic of Uzbekistan dated August 12, 2020 "A measure to increase the quality of continuous education in the fields of chemistry and biology and the effectiveness of science Special attention is paid to the issues of improving the professional activity of specialists in the implementation of the tasks specified in the decision PD-4805 and other normative-legal documents. In particular, the creation of science portals that allow the creation of a unified



information and methodical supply of sciences in the field of biology education in Uzbekistan, the development of methods of using information resources in the process of biology education, equipping higher education institutions with modern information and communication technologies and tools, world educational resources for students, teachers and researchers, expansion of access to databases of modern information resource centers is one of the important tasks.

In the above-mentioned modern conditions, the methodical training of biology teachers is constantly changing, having studied advanced foreign experiences, developing the technology, didactic methods of improving their methodical training in higher education, pedagogical conditions, content and structure, improvement criteria and levels of formation, form, it is necessary to increase the camaraderie of the method, voices, model, teaching quality, as well as to develop theoretical and practical methods of improving the methodological training of biology teachers based on the competence approach. Pedagogical activity of every teacher is a general process aimed at solving pedagogical issues such as formation of his world view, belief, mind, and behavior.

Implementation of these urgent tasks is in the direction of biology teaching methodology:

Enrichment of levels determining methodological readiness based on the information-competence approach in the conditions of the electronic educational environment;

Expansion of access to the databases of world educational resources, modern information resource centers aimed at improving the methodological training of biology teachers;

Development of a mechanism that includes conceptual, reflective, integrative components of improving the methodological training of biology teachers;

It is necessary to create educational and methodological support, multimedia electronic educational resources adapted to information-communication and innovative-pedagogical technology to improve the methodological training of biology teachers.



The composition of professional competence in the field of pedagogy is interpreted differently by scientists, we should note that researchers from different perspectives emphasize one or another component of pedagogical activity. Based on the analysis, the following components of the professional competence of the pedagogue can be divided into cognitive, professional-technological, informational, communicative, methodical competence.

Professional competence means acquisition of knowledge, skills and abilities necessary for professional activity by a specialist and their practical application at a high level.

Also, it is necessary to constantly enrich one's professional knowledge, to learn new information, to understand important social requirements, to search for new information, to process it and to use it in one's work.

Requires practical knowledge. Achieving the highest results of educational work, managing students' knowledge activities, solving the problems of modeling the educational process in a new way, develops this professional activity of the teacher.

In the professional activity of a teacher:

- Improvement of the pedagogical process based on a clear goal, aspiration; to increase the effectiveness of the pedagogical process, his own work activity;
- Mastering pedagogical knowledge that is constantly being updated;
- To be aware of advanced technology, methods and tools;
- Effective implementation of the latest scientific and technical innovations in the activity;
- Improvement of professional skills and qualifications;
- He is required to work on his practical actions to prevent and eliminate negative pedagogical conflicts.

A professional competent approach should be implemented according to the following principles:



- Getting information for life, for social success in society and for personal development;
- Assessment of future biology teachers to plan their own learning outcomes and provide them with opportunities to improve in the process of continuous self-evaluation;
- Based on the personal motivation and responsibility of future biology teachers, it consists in organizing independent, conscious activities in various forms.

Modernization of the preparation of biology teachers for professional-pedagogical activity based on the requirements of modern science and technology development and development of their methodical competences recognized by advanced foreign experiences, while increasing the quality and efficiency of education, provides pedagogical and psychological opportunities to educate young people with intellectual potential based on the composition of students' learning activities.

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