



Substantive Aspects of the Context-Digital Approach in Studying the Discipline "Microbiology"

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¹ "Pedagogical innovation, management of vocational education and retraining of teaching staff and their qualification improvement is the main doctoral student of the institute"

Annotation: This article discusses the use of contextual digital learning. Context-based digital learning is a relevant educational approach that contributes to the formation of professionally significant competencies in students of vocational education and allows you to gradually transform educational activities into professional ones.

Keywords: context, digitalization, teaching, learning, student, method, teacher.

The idea of creating a new Uzbekistan, put forward by the head of state Shavkat Miromonovich Mirziyoyev in order to accelerate the development of society, did not bypass the education system. Law of the Republic of Uzbekistan dated September 23, 2020 No. 637 "On education" in a new edition, Decree of the President of the Republic of Uzbekistan dated September 6, 2019 No. 5812 "On measures to further improve the system of vocational education", Resolution of the Cabinet of Ministers dated February 26, 2021 No. 106 "On measures to further improve the system of retraining and advanced training of managerial and pedagogical personnel of professional educational institutions" and decrees put forward the requirement to restructure education on a completely new basis and sharply increase its effectiveness. Based on the above requirements, we believe that in the process of advanced training it is possible to achieve efficiency in professional activities by improving the methods of training medical personnel, in the system of vocational education, through context-digital learning technologies. teacher and his level of professional competence.

The tasks set by the education reform dramatically increase the importance of the personality and profession of a teacher in society, and make the issue of developing his pedagogical competence relevant.

Based on the goals set today by society, such as assessing the quality of vocational education and training future medical professionals in accordance with global requirements in its management, the use of modern ICT tools in the educational process, the use of innovative and creative educational methods and technologies aimed at full development topics that are assigned tasks for students in the course of the educational process.

Today, in the development of new Uzbekistan, considerable attention is paid to the teacher of professional educational institutions. Currently, the action strategy for the further development of the Republic of Uzbekistan requires the effective development of personal qualities and professional skills of teachers of vocational education.[1].

The introduction of contextual digital technologies in the theory and practice of pedagogy helps to increase the effectiveness of student learning, but there is a problem of competently combining the teaching methods of the subject with information, communication and digital learning technologies. Information technology must satisfy such basic principles of professional pedagogy as preliminary design, reproducibility, goal setting, integrity. Despite the fact that digital technologies in

professional pedagogy are a fairly young area, they are developing very dynamically. They are being actively introduced into the educational process at all levels of education - schools, colleges, universities. Thus, in a number of Kazakhstani universities, curricula and courses were introduced that actively use digital technologies in the learning process. In addition, informatization of education and Internet technologies have led to the rapid development of a new form of education - distance learning, which is the highest degree of informatization of education today. [2].

“Digital Learning Technologies (DLT) is an innovative way of organizing the educational process based on the use of electronic systems. Its goal is to improve the quality of the educational process.

To improve the quality of education in professional institutions, methods of active and cognitive activity are in demand.

At present, the theory developed by A.A. Verbitsky, which develops an active learning activity, is contextual learning.

According to Verbitsky, active, contextual learning [3] is divided into the following principles:

- ✓ personal activity;
- ✓ problematic;
- ✓ association of training and education;

Proceeding from this, on the basis of a systematic approach to the study of the problem, in this chapter we set a goal to determine the system of contextual digital technology for teaching microbiological disciplines to students of a medical college. The merit of this goal can be achieved through a statement of the essence of contextual digital learning technologies. To this end, we consider the concepts of "context", "contextual learning", digital learning", showing the main elements of an integrative scientific and pedagogical system of contextual digital learning technology [3].

Teaching microbiology to medical college students requires a creative approach to the educational process and knowledge of the specifics of the future specialty. A comprehensive innovative approach to learning, the use of the most modern diagnostic methods in the educational process, conducting electives on topics of interest to students allow us to prepare competent specialists with creative thinking, who are ready to constantly improve and effectively apply their knowledge in practice [4].

Microbiological education refers to an education system that acts to teach students how to use and create microbiological models in the process of entertaining and creative activities aimed at developing and shaping students' knowledge about microorganisms in accordance with social, professional and personal goals.

“Microbiological training” is understood as “a process that ensures the formation in students of rational methods for studying organisms and research from the point of view of medicine and performing various microbiological studies that occur in the multifaceted work of a nurse. Microbiological training provides the basis for microbiological literacy, which allows students to navigate to some extent in an extremely large amount of microbiological innovative tools. Microbiological training is implemented in the process of teaching medicine and biology.

The purpose of contextual digital learning technology in vocational training is the formation and development of a teacher (teacher) who is able to create innovations in the learning process with a focus on the future activities of medical college students.

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