

ELECTRONIC INTERACTIVE LEARNING OF USE OF INFORMATION TECHNOLOGIES IN PROFESSIONAL ACTIVITY - EFFECTIVENESS OF CREATION OF METHODOLOGICAL COMPLEXES

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ABSTRACT

His methodical article talks about the methodical foundations of creating interactive educational-methodological complexes in the field of application of information technologies in professional activity. The article describes the goals, characteristics of interactive educational-methodological complexes in the field of application of information technologies in professional activities, and two approaches to illuminating the educational material.

Keywords: article, methodology, interactive, educational-methodological complexes, module.

AXBOROT TEXNOLOGIYALARINI KASBIY FAOLIYATDA QO'LLASH FANIDAN ELEKTRON INTERFAOL O'QUV – USLUBIY MAJMUALAR YARATISH SAMARADORLIGI.

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Annotatsiya:

ushbu uslubiy maqolada axborot texnologiyalarini kasbiy faoliyatda qo'llash fani bo'yicha interfaol o'quv – uslubiy majmualar yaratishning metodik asoslari haqida so'z yuritilgan. Maqolada axborot texnologiyalarini kasbiy faoliyatda qo'llash fani bo'yicha interfaol o'quv – uslubiy majmualarning maqsadlari, xususiyatlari va o'quv materialini yoritishning ikki yondashuvi yoritib berilgan.

Kalit so'zlar: maqola, metodika, interfaol, o'quv – uslubiy majmualar, modul.

INTRODUCTION

Today, the implementation of the tasks envisaged by the "National Personnel Training Program", which was created for the fundamental reform of the education sector, is being carried out at a rapid pace. One of the most important tasks in this regard is the effective and high-level organization of theoretical and practical training, which is the most important link of the educational and educational process, based on new pedagogical and information technologies. including achieving positive progress in mastering the student's knowledge of the subjects.

- In modern education based on interactive learning in the field of digital technologies - methodological complexes, there is a great need to determine the interest, passion, desire, level of preparation and ability of each student in science, personal characteristics of the student. it is evident only in the parts of the educational process, in its episodes, and it is determined that it is appropriate to use these features in these parts. The following should be paid

attention to in the methodology of creating interactive educational-methodical complexes in the field of digital technologies in education:

-Person-oriented approach;

-Individual and differentiated approach to students in education.

These approaches reflect the student's level of preparation, interest, enthusiasm and ability for the science of digital technologies in education. In the concept of a differentiated approach, the connections between the activities of the teacher and the student are integrated. Now that the student is in the team, attention is paid to his place and characteristics. In the classroom, learning together with the class, while at the same time teaching methods that pay attention to individual characteristics, are seen. So, it became clear that differentiation is necessary for individualization. This defines the relationship between the student and the teacher.

The limits of differentiation and individualization are not strictly defined. At the heart of individualization education, a specially programmed teaching method appeared. That's why in education, in the methodology of creating interactive learning-methodological complexes, Differential education means universality and effectiveness of education, while individualization means universality and effectiveness of educational material, i.e. it is understood that it is reflected in the knowledge of each student.

In order to implement an individual and differentiated approach in the process of creating interactive educational-methodical complexes in the field of digital technologies in education, it is necessary to prepare work plans and theoretical material accordingly and adapt the educational process to this approach.

In the methodology of creating interactive educational - methodical complexes in the science of digital technologies in education, it would be appropriate to base on two approaches to covering the educational material, that is, the educational material should be divided into small parts as possible (small pieces, parts, points) to learn, to give educational material in large blocks (in the form of modules). Both approaches have advantages and disadvantages. Studying the educational material into small parts (portions, steps) is typical of the programmed learning method of education. In this case, the learning material is easily absorbed by the student. Because in this case, the educational material is divided into small parts up to one assignment (task). It becomes easier to remember the material. The principles of individual approach to the student are implemented. In the second case, i.e., when studying the educational material in large blocks, that is, in large-scale study, conditions are created for the connection of the studied concept with other concepts and the dynamics of the development of this concept.

Because the studied concept is studied in connection with the basic phrase (basic concepts, basic concept). The student's knowledge is deepened and systematized. When studying the educational material in small parts, the knowledge does not deepen enough, and the acquired knowledge is quickly forgotten. Therefore, the effectiveness of the second approach in providing educational material is known. In the second approach, the concept of a module is of particular importance and is related to teaching the learning material by dividing it into blocks or modules. Therefore, let us give some definitions that reveal the concept of a module. A module is a unit of educational material designed on the basis of certain principles, aimed at learning the fundamental concept of science. An element of the module is a component of

the module that determines the content of educational information in the module. A module covers a particular phenomenon, law, section, major topic, or group of interrelated concepts. A module is a logically complete unit of educational material, aimed at learning one or more fundamental concepts of an educational subject. A module is sometimes referred to as a section or block. A micromodule is understood as the closest interrelated group of subjects in the curriculum. Therefore, modularization of educational materials creates an opportunity to work with students differently (classified) and individually. Modular learning refers to a unit consisting of interrelated elements that can be operated. The main task of modular training is a completed block of information. In modular teaching, it is possible to teach the curriculum in full, short or in-depth classification. In the teaching of the module, serious attention is paid to interdisciplinarity. The application of basic concepts and basic phrases in the studied material, the scope of delivery, interdisciplinary connection and problems are provided in accordance with educational standards. In modular teaching, it is necessary to create a teaching methodical complex for students.

The component of the electronic educational-methodical complex: lecture course of theoretical material; a set of methodological recommendations for practical work; set of questions for knowledge control; problem, exercise, seminar training, a set of problematic questions and methodical recommendations for their implementation. The tasks of the electronic teaching-methodical complex are: to help the student to imagine and understand the whole picture of the studied material; facilitating material acquisition; individualization of education; improving control and self-control. Performing the tasks of the electronic educational-methodical complex makes it possible to use innovative approaches in education. With the help of electronic educational methodological complexes, it is possible to create professional knowledge and skills of students, which consists of stages such as creating cognitive activities and motivations, and organizing independent activities of students that include fundamental knowledge and elements of self-control.

Creation of interactive electronic educational-methodical complexes in digital technologies in education with different shapes and views, highly prepared graphics, and their application to the educational process is one of the urgent tasks is one.

It is of particular importance to create the elements of information technology science while maintaining the principle from simple to complex, to pay attention to the sequence of elements in the created electronic educational-methodological complex. The creation and implementation of content-related electronic educational materials in accordance with the program of schools and vocational schools has a positive effect on the effectiveness of students' learning.

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