DESCRIPTION OF THE METHODOLOGICAL BASIS FOR ENSURING INTERDISCIPLINARY CONTINUITY OF THE SUBJECT "COMPUTER SCIENCE AND INFORMATION TECHNOLOGY" IN VOCATIONAL EDUCATION

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ANNOTATIONS:

The article discusses the importance of the development of professional training in teaching the discipline "Informatics and Information Technology" on the basis of interdisciplinary membership, the methodological significance of the problem of interdisciplinary communication, the necessary conditions for interdisciplinary communication and interdisciplinary training.

Keywords: educational and methodological support, competence, membership, integration, professional training, curriculum, interdisciplinary communication.

INTRODUCTION:

Research by a number of scientists has shown that the quality of training qualified personnel and specialists in the system of vocational education depends in many respects on the effective teaching of modern sciences, in particular, "Computer Science and Information Technology." One of the peculiarities of the subject "Informatics and Information Technology" is that it serves as a scientific and practical basis for the study of general and specialized disciplines. Thus, the study of the subject "Informatics and Information Technology" is unique because it focuses on

non-standard decisions in different situations of production, solving practical problems, solving production problems on the basis of acquired theoretical and practical knowledge.

Ensuring interdisciplinary integration of the subject "Computer Science and Information Technology" in the system of professional education helps to develop students' scientific thinking, creates a basis for the widespread use of all knowledge by students, a comprehensive approach to science, reflecting objective relationships in the environment. has a unified, general view, serves to improve, update and enrich students' knowledge, stimulates and develops students' interest in the field, expands students' scientific and scientific outlook, helps to develop their creative abilities, consistently informs science program materials facilitates easy assimilation based on the knowledge and skills acquired, focuses on research and development activities and independent learning.

The scientific-methodological and practical significance of ensuring the continuity of the discipline of "Computer Science and Information Technology" in the system of professional education is to introduce students to the basics of science, the general principles of human activity, general, digital and material culture. training will be organized to master specific skills, as well as to find and implement innovative solutions to practical problems

based on digital technologies, democratic changes in society, socio-political, legal and economic reforms and their results.

Continuing education has a positive impact on the development of independence, cognitive activity and students 'interests. The introduction of the integration of disciplines into the education system will allow to solve the tasks currently facing the educational institution and society. In its content, the teacher's teaching activities are dedicated to the student's personality, so it has a positive effect on the comprehensive development of students' abilities and professional competence, strengthening their thinking processes, the ability to acquire, generalize and develop knowledge from different disciplines. Skills that can be used or modified in a variety of life situations shape skills.

Ensuring interdisciplinary integration in education is a leading trend in the development of scientific knowledge in modern conditions. It manifests itself in the synthesis of knowledge that increases the effectiveness of scientific research. Integration and differentiation are natural processes in the development of science. These two processes correspond to the two tendencies of human cognition, on the one hand to reflect the universe as a whole, and on the other hand to have a deeper and clearer understanding of the uniqueness of different structures and systems in terms of appearance and quality.

So, we will consider the necessary conditions for the organization of interdisciplinary training in "Computer Science and Information Technology."

The training was based on the results of the following improvements:

1. General Objectives. General functions. Special functions.

2. Interdisciplinary affiliation. The studied subject is studied in connection with other subjects of the same science, similarities are rounded, combined. Pre-determining and memorizing these subjects and their individual topics expands and facilitates the ability to understand and master the new topic being studied.

3. Additional knowledge. New competencies will be developed based on the analysis of new skills and competencies not specified in the program. Significant additions are made to it using appropriate foreign literature, manuals and software.

4. Teaching methods. In current working programs, teaching methods are generally defined. However, the types of methodologies that are appropriate for the activity on each topic should be selected. General skills are important in this. These skills are often reflected in students 'behavior and stem from learning situations rather than direct teaching, and allow them to develop these in themselves. Therefore, teaching methods should be selected taking into account general and specific skills. We use interactive teaching methods based on integrative principles, such as "Logically confusing chain", "Case study", "Blended learning", and "Classic couple strategy".

5. Evaluation criteria. Assessment methods and tools. Depending on the final or formative nature of the assessment, a number of assessment methods may be used in accordance with the activity being evaluated.

In many cases, general vocational subjects can be approached separately in accordance with the direction of preparation of students. In this case, new or different ideas are introduced, but often a special approach is required to adjust the content of activities and specialties in accordance with the content of the subject "Computer Science and Information Technology".

By improving the lessons on the subject of "Computer Science and Information Technology" and its implementation in practice, it is possible to further increase the

effectiveness of education by ensuring the quality of the teaching process, ensuring the continuity and harmony of disciplines

As a result of the research, it was identified the need to include the following in the development of lessons on the subject of "Computer Science and Information Technology" by providing interdisciplinary continuity:

- Systematization of relevant knowledge, skills and competencies in the field of "Informatics and Information Technology" to ensure effective teaching of specialty subjects;
- Establishing an integrative relationship between the discipline of "Computer Science and Information Technology" and the specialty;
- Competent orientation of students to professional activity through the integration of the subject "Informatics and Information Technology" and specialty disciplines;
- Strengthening the educative, exploratory and developmental functions of training;
- Implementation of the principles of membership, sequence, systematization (coherence), relevance and innovation in the organization of training on the basis of continuity of disciplines;

Based on these requirements, training organized through improved science programs can increase the efficiency of the process of training highly qualified specialists. That is, the professional training of graduates is formed and developed by ensuring the integration of science, education and production.

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