USE OF PEDAGOGICAL TECHNOLOGIES IN TEACHING AND LEARNING IN HIGHER EDUCATION

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ABSTARCT:

"Technology" is a Greek word, "technos" means skill, art, "logos" means science, doctrine. The concept of 'technology' is defined as a set of methods and techniques used in production processes to obtain a finished product and as a science that produces and improves such methods and techniques.

KEYWORDS: technology, skill, technique, process.

INTRODUCTION:

Extraction of materials that are an integral part of production processes. Transportation, storage, etc. is also called technology. The technology also includes a description of the production process, instructions for their implementation, technical rules and requirements, schedules. Hundreds of technological projects have been created in the field of industrial production. If the requirements of the technical documentation are followed, the quality of the product is guaranteed, regardless of the dirt and where the work is done. As Podlasie points out, "Until technology is created, individual skill dominates. Later, personal skill becomes 'team skill' and technology serves as its embodiment." The following table provides a comparative description of individual skills and overall technology (Table l). There are the following types of technology: technical technology. Production technology, humanitarian and educational technologies. Technical technology means: a set of ways and means of obtaining, processing or processing of raw materials, semi-finished products or products (process-descriptive aspect of technology). Typical approaches to the definition of pedagogical technologies show that, in fact, teaching technologies take place between the recognition, production and teaching-pedagogical process. It is an independent field of knowledge in the system of professional didactic training, which is closely related to the didactic theory and practice of teaching and includes the function of designing the process of managing educational activities. Teaching technology includes both theoretical and practical knowledge of specific methods of managing the learning process, the same promising management and teaching activities. Their sequence is determined in accordance with the conditions of the educational process (N. Azizkhodjaev). Modern teaching technologies, including computer information technology, distance learning technology, modular learning, the use of didactic games, problem-based learning, brainstorming technologies can be applied to the teaching process. Improving teaching with the full use of multimedia capabilities is aimed at training qualified personnel with the following characteristics: adaptability to changing living

conditions by independently acquiring the necessary knowledge and being able to use them in solving problems; The first research on the technological approach to teaching, that is, to ensure that the learning process is as repetitive as the production process, was conducted by American educators in the 50s of the twentieth century. In particular, the term "educational technology" was also first used by the American scientist B. Skiner. He described "educational technology is the application of the achievements of the science of psychology in pedagogical practice". Based on this definition, it should be noted that today the concept of "pedagogical technology" is "new". "Advanced". Adding words like "progressive" is also relative. An analysis of the relevant literature has shown that the concept of 'pedagogical technology' has its own history of development. Foreign experts believe that the development of this concept should be studied in three stages. In the first stage, the teaching process was conducted only by your teacher. As N.F. Talizina points out. "Human experience has served the function of teaching technology." In the second stage, after the publication of textbooks and manuals, radical changes took place in the content of teaching technology. A variety of didactic materials to help the teacher began to emerge. There are many definitions of the concept of pedagogical technology, including the following definition given by UNESCO, which reveals the essence of pedagogical technology and all its aspects: "Creating a process of teaching and learning, taking into account the interaction. It is a systematic method of application and identification." As you know. Pedagogical teaching, in contrast to pedagogical technology, often consists of a set of recommendations for the organization and conduct of the learning process. Firstly, it guarantees the end result, and secondly. Also designs the future learning process. Clear definition of educational goals of pedagogical technology. Guarantee of final

results. Characterized by the reproducibility of the learning process and the presence of a fast feedback loop. These properties of pedagogical technology are a key factor in accelerating the learning process. In pedagogical technology, the outcome of teaching depends more on the student, his independent learning, than on the personality of the teacher. The direct and smooth communication between teacher and student in the learning process brings the learning process closer to individual teaching. That is, it individualizes the learning process. Informing the public is an objective process associated with the proliferation and enhancement of the role of intellectual activities in all areas of human development. Improvement of living standards, satisfaction of social needs, economic growth. Serves to accelerate the development of science and technology. Therefore, each country must adapt its economic structures and industries to the requirements of information systems in order to take a worthy place among the states in the XXI century and to be equal in economic relations with other countries. One of the most important areas of public information is the education system. Informatization of the education system In order to introduce developmental education, the use of new information technologies, the use of its methods and tools, the acceleration of all stages of the educational process, improving the quality and efficiency. Issues of educating young people to be ready to live in an informed society. In practice, all technologies that use special technical media - computers, audio, film, video - are called information educational technologies. As a result of the widespread use of computers in the education system, the terms "new information education technology" and "computer education technology" have emerged. Computer technology develops software learning ideas. Modern computer-based learning technologies are the process of preparing and transmitting information to the

learner, and the means of its implementation is the computer. The rich possibilities of presenting information on the computer have made it possible to change and enrich its content by adding integrated courses to the content of education, acquaintance with the history and methodology of science, creative work of great people, world level of science, technology, and culture. 41 Process Features of Computer-Aided Learning Technology Computer-assisted learning tools can be called interfacial. They have the ability to "respond" to the movement of learners and educators, to engage in dialogue with them, which is a key feature of this computer-based teaching method. The computer can be used at all stages of the learning process: explaining new material (in the introduction). Strengthen repetition while controlling biiim-skills, and so on. In this case, it performs various functions for the learner: the teacher, the working tool, the object of training, the collaborative team. The learning environment. The educational functions of the computer include: the source of educational information (teacher); visual aids (with a qualitatively new level of multimedia and telecommunications); individual information space; trainer: diagnostic and control tool. . Graphic editor; computer: modeling tool. Bin educational tools of information technology is the use of audio and video tools. Therefore, along with computer technology, audio-video technologies of teaching also operate. In them, most of the management of learners' cognitive activities is specially produced n is done using audiovisual training materials.

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