



THE PRIORITY OF DEVELOPING THE INTELLECTUAL POTENTIAL OF STUDENTS IN THE CONDITIONS OF INFORMATIZATION OF EDUCATION

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Annotation: *Theoretical, empirical, mathematical research methods were used and widely explained in the solution of the tasks set in the article.*

Key words: *Pedagogical technologies, information technologies, multimedia technology.*

The modern period of development of our society is characterized by a huge influence on it of computer technologies, which are present in all spheres of human activity, ensure the spread of information flows in society, forming a global information space. An indisputable and important part of all these processes is the computerization of education.

Pedagogical technology is a well-thought-out model of joint educational and pedagogical activity in the design, organization and conduct of the educational process with the unconditional provision of comfortable conditions for students and teachers. New educational technologies offer innovative models for constructing such an educational process, where the interconnected activities of the teacher and student are highlighted, aimed at solving both educational and practically significant tasks. This does not contradict the creative processes of personal improvement, since each of the pedagogical technologies has its own zone, within which the personality develops.

Modern pedagogical technologies include:

- Information and communication technologies.
- Technology student-centered learning.
- Heuristic learning technology.
- Subject-oriented technologies.
- Dialogue technologies.
- Game technology.
- Health-saving technology.

Currently, multimedia technology, network technology and satellite technology transfer, as a representative of information technology, is developing very rapidly. Modern educational technologies based on information technologies play an important role in promoting the modernization of education. Modern educational technologies will have a significant impact on ideas, forms, process, teaching methods and education management.

In the article, the following research methods were used to solve the set tasks: theoretical (study and analysis of scientific and pedagogical, psychological and pedagogical, reference, specialized literature, regulatory documentation on the topic of research,



additional professional advanced training programs; analysis, comparison, classification of the information received and generalization); empirical (pedagogical experiment, observation, questionnaire survey, survey, conversation, testing); mathematical (statistical data processing).

Information technologies not only change the very essence of the activities associated with them, but also have an impact on a person's personality. The consequences of this can be manifested in those activities that are not directly related to their application. Indeed, in the educational process that uses the capabilities of IT, all subjects (both students and teachers), with the help of new means, master new categories, methods and forms of activity that give new ideas about the picture of the world. The development of multimedia technologies, virtual reality, the constantly growing power of the computers used make it possible to "define" previously abstract teaching programs.

They offer not only informational, but also intellectual and cultural resources: photo and video recordings of objects and processes under study, rare museum and archival materials, original reports and live reports on fundamental and applied research. Modeling and subsequent "inclusion" of students in various situations, provoking and implementing non-standard solutions in a potentially multivariate educational environment contribute to the development of imagination and creative abilities.

The process of informatization of modern society is initiated by:

- ❖ improving the management mechanisms of the education system based on the use of automated data banks of scientific and pedagogical information, information and methodological materials, as well as communication networks;

- ❖ improvement of the methodology and strategy for the selection of content, methods and organizational forms of training, education, corresponding to the tasks of the development of the student's personality in modern conditions of informatization of society;

- ❖ creation of methodological learning systems focused on the development of the student's intellectual potential, on the formation of skills to independently acquire knowledge, carry out information and educational, experimental research activities, various types of independent information processing;

- ❖ creation and use of computer testing, diagnosing methods for monitoring and assessing the level of knowledge of students.

Informatization of education as a process of intellectualization of the activities of the teacher and the student, which develops on the basis of the implementation of the capabilities of new information technologies, supports the integration trends in the process of cognition of the regularities of subject areas and the environment (social, environmental, informational, etc.), combining them with the advantages of individualization and differentiation of learning, thus ensuring the synergy of pedagogical influence.



REFERENCES:

1. G. A. Paradaeva, Z.R. Rakhmonov. Mobile application development education methodology with integrated distance learning environment. Central Asian Journal of Education and Computer Sciences VOLUME 1, ISSUE 2, APRIL 2022 (CAJECS), ISSN: 2181-3213
2. Z. Rakhmonov and G. Paradaeva, “Steps Of Organizing The Methodology Of Improvement Of Methods Of Distance Learning Of Students,” in 2021 International Conference on Information Science and Communications Technologies (ICISCT), Nov. 2021, pp. 1–4, doi: 10.1109/ICISCT52966.2021.9670205.