

## THEORETICAL BASICS OF USING MODERN INFORMATION AND COMMUNICATION TECHNOLOGIES IN EDUCATION

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### Annotation

The use of ICT in the professional activities of teachers is one of the main directions of modernization of the education system of the country. The article discusses information and communication skills and the mechanisms and methods of developing this skill in teachers of the humanities.

**Keywords:** information and communication skills, professional development, new educational standards, integration of ICT into the educational process.

Modernization of the educational process in higher educational institutions of our republic, development of professional competence of teachers in raising the quality level of the system of training pedagogues, equipping them with modern professional knowledge, qualifications and skills related to the field, creative use of scientific and technical innovations and ability to solve promising tasks independently development of skills is one of the important tasks. In this regard, ensuring the interdependence, coherence and continuity of educational stages, introducing advanced pedagogical technologies for organizing the educational process in higher education, ensuring the quality of educational and methodological complexes in this regard, continuously improving the literacy of future professors and teachers in the use of computers and the Internet during the introduction of pedagogical technologies. ; further development of the supply of higher education with information resources and modern educational literature, study of advanced foreign experiences in these directions determines the composition of the activity directions of higher education institutions, in particular, pedagogic personnel.

It is necessary to carry out scientific research in this direction in order to solve problems such as re-developing the content of existing curricula and programs in today's technology education areas, applying effective forms and methods of teaching in the educational process, strengthening the educational and methodological preparation of students, and creating conditions for improving their professional and pedagogical skills. is enough. Based on this, there is a need to increase the level of professional-pedagogical training of future technology teachers, to develop methodological bases of modern education based on advanced pedagogical technologies. This, in turn, in the process of training a future teacher of technology based on new pedagogical technologies, first of all, implies the substantiation of the essence of pedagogical technology, the characteristics of the technological approach, the main descriptive signs (structure and functions), and determining the factors affecting them.

Information and communication technologies are the teacher's closest assistant at every stage, the most convenient tool in all processes, from the preparation of a qualified pedagogue to a high-quality, interesting and productive lesson. In preparation for the lesson, the teacher can prepare didactic, handouts, visual aids, slides and lesson plans using the computer, and with the help of the Internet, he can enrich them with various additional information, interesting photos, audio, video clips. In the course

of the lesson, information and communication technologies help students to develop their worldview, knowledge and skills by seeing, hearing and doing it independently.

According to the researchers, the problem of formation of information and communication skills among pedagogues is recognized by educational researchers as not only difficult, but also an unsolved task.

The main condition for solving this problem is the readiness of the pedagogue to create an educational process using ICT tools. A change in the pattern of communication between the teacher and students is one of the conditions for innovative activity. Innovative skills are explained by the following main functions:

- analysis of professional activity using ICT tools
- a critical approach to norms
- Preparation to receive ICT and professional innovations
- to realize their potential, aspirations in their professional activities
- embodiment.

A pedagogue with information and communication skills has so much information that he cannot process and use information without new information and communication technologies. The current main goal of the education policy is to provide modern education with high efficiency, which is important and necessary for future development, meeting the needs of the learner, society and the state. In order to develop the professional effectiveness of teachers, it is necessary to involve them in additional pedagogical training from the first days of their work.

With the advent of ICT, which can provide large amounts of information and knowledge at any time and place, there has been a demand for special skills in the field of education and training. Today, no one can deny the need to implement ICT in the pedagogical process. But, unfortunately, the use of ICT-based innovative methods, instead of facilitating and optimizing educational activities, complicates and overloads it. In order not to make such mistakes, the methodical and purposeful use of computer tools should be carried out at the expense of the ability to successfully integrate ICT into the educational process.

It is also necessary to take into account training programs for the development of information and communication skills of teachers. These programs should include:

- IT meets world standards;
- not to impart new skills and knowledge, but to make specific changes in education;
- help the teacher to create his own integrated environment (this includes various sites, membership in social groups, creation of blogs)
- monitoring and professional dialogue should be created for pedagogues.

At each stage of the lesson, there is an opportunity to repeat and strengthen the topics covered, to present new knowledge, and to carry out practical exercises directly using information technologies in part or in full.

For this, pedagogues need only a little time and effort to master digital communication skills. In this way, the teacher achieves his greatest goal, provides students with quality education, prepares them for a great life.

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The pedagogue's information and communication skills are realized by analyzing and evaluating the innovation, forming the purpose and concept of future actions. This includes the implementation and analysis of the plan and the evaluation of the effectiveness. The basis of increasing the intellectual potential of young people is the development of their creative thinking skills. The importance of ICT integration training conducted by the pedagogue in the development of creative thinking skills of young people is incomparable. The lesson is an organizational form of teacher-student relations, in which the teacher's information and communication skills are a motivating factor for students' creative thinking. The following principles of development of thinking ability of young people based on ICT can be recognized separately:

- to teach the desire to find different ways to achieve the goal;
- teaching to exercise to achieve the goal;
- teaching to identify the problem;
- to teach how to direct the thought according to the purpose;
- teaching to imagine, fantasy;
- teaching to draw a convincing conclusion;
- forming a tendency to new ideas.

Formation of the teacher's information and communication skills in education leads to the following changes:

- a complete change of the pedagogical system;
- change of the educational process;
- change of pedagogical theory;
- change of the teacher's activity;
- update of student's activity; - change of pedagogical technology;
- update of educational content;
- change of teaching forms, methods and tools;
- change of educational system management;
- changes in educational goals and outcomes.

Based on the effective use of information and communication skills, a new technological process or a new improved training is organized.

Today, it is important for pedagogues to have information and communication skills. In order for teachers to master this skill, they need to have an innovative approach. By its essence, innovative activity by pedagogues takes place on the basis of the acquisition of skills and competences, based on their decision to adopt an innovative approach. The development of information and communication skills in pedagogues is also a complex process that takes place in several stages.

These are the use of ready-made methodical recommendations (existing innovations), introduction of new ideas and methods into the existing system, systematization of content, forms and methods of implementing the new idea, and at the last stage, creating the pedagogue's own concept or methodology for teaching and training.

It can be concluded from the mentioned comments that the number of young people who are trying to get education, enter higher educational institutions after school and college is increasing year by year in our country. This is a proof that great progress is being made as a result of reforming the education sector in our country, and the intelligence and interest of young people is increasing. In this case, the integration of ICT tools in the educational process is attractive because of its ability to provide unlimited opportunities. However, only being able to use it wisely will lead the members of the society to real progress.

In addition to acquiring economic knowledge from specialists, as well as the gradual development of economic reforms implemented in our republic and the integration processes in the economy, extensive knowledge about the information and communication field, its objects and subjects, the principles of implementation, world-improved tools in this regard, their application to direct financial processes, and directly requires having the skills to work on different types of computers. The process of using information and communication and Internet technologies in the teaching of economic sciences increases the curiosity of students and the efficiency of independent work. Together with the use of information communication and Internet technologies, it provides new opportunities in the field of education, in the study and creativity of students. For the first time, in the application of information technology in education, a situation arises where a person becomes the main instrument of his future profession. The purpose of using information and communication and Internet technologies in the teaching of economic sciences is, on the one hand, to teach students the possibilities of teaching through information technologies, and on the other hand, to familiarize them with the hardware, instrumental and software tools of information technology in education.

Implementation of the educational process with the help of modern information and communication technologies leads to solving the following problems and issues:

- ✓ clarifying the development of education according to scientific pedagogical, methodological, normative-technological and technical conclusions in the conditions of modern information society based on large-scale communication and globalization;
- ✓ perfecting the creation of educational methods and organizational forms for the development of the learner's identity, the basis for selecting the essence of education in the conditions of a modern information society based on large-scale communication and globalization;
- ✓ justification and creation of all stages of education in the application of information and communication technologies, including teaching methods and tools, innovative models and existing pedagogical technologies;
- ✓ it is necessary to develop a methodological system of teaching aimed at developing the intellectual potential of the learner (student), which will enable the student to independently gather knowledge, collect, process, transfer, and store information resources;
- ✓ This includes research related to education, development of prototypes for display of electronic tools, including the creation of software tools and systems.

## CONCLUSION

Two systems can be distinguished in the history of the development of teaching with the help of computers: traditional and intellectual teaching. The main feature of the intellectual education system is that it involves the management of educational activities taking into account the characteristics of all

stages in solving educational issues. In the system of intellectual teaching, individualized teaching is carried out on the basis of a dynamic model of the student. Such systems provide stability and regularity in the formation of the student's educational activity by providing the opportunity to distribute management tasks between the student and the computer, that is, the transition to learning to study hard is carried out in an optimal way.

The process of informatization of education and the use of modern information technologies leads not only to changes in organizational forms and methods of teaching, but also to the formation of new methods in it.

#### REFERENCES:

1. Ernazarova, G. O., Mukaddamovna, K. Z., Valievna, Q. I., & Bolatbekovich, K. A. (2022). The need to study pedagogical professional thinking. *Eurasian Journal of Learning and Academic Teaching*, 5, 95-98.
2. Mamanovych, A. L., & Sharofiddin o'g'li, B. S. (2022). Environmental behavior change and students' environmental attitude. *ResearchJet Journal of Analysis and Inventions*, 3(12), 140-144.
3. Қамбарова, Ш. А. (2021). Совет харбий қўшинлари таркибида "орқа қўшинлар" ни ташкил топишининг ижтимоий-сиёсий сабаблари. *Academic research in educational sciences*, 2(Special Issue 1), 478-484.
4. Qambarova, S. A. (2020). Partiya tashkilotlarida kadrlarga munosabat (1917-1940 yillar misolida). *Academic research in educational sciences*, (2), 296-305.
5. Камбарова, Ш. А. (2017). История печати в Туркестане. *Молодой ученый*, (4-2), 15-16.
6. Қамбарова, Ш. А. (2014). XX асрнинг 20-30 йилларида олиб борилган маданий сиёсатнинг халқ қ имиз маънавий ҳ ҳ аётига таъсири. In *Сборники конференций НИЦ Социосфера* (No. 22, pp. 157-161). Vedecko vydavatelske centrum Sociosfera-CZ sro.
7. Камбарова, Ш. А., & Абуназаров, Л. М. (2016). "Сплошная коллективизация": понятие и меры по её проведению в средней Азии. *современные подходы к трансформации концепций государственного регулирования и управления в социально-экономических системах* (pp. 89-91).
8. Kadirova, Z. Z. (2022). Periphrases of human nature in alisher navois prose works. *THEORETICAL & APPLIED SCIENCE Учредители: Теоретическая и прикладная наука*, (6), 381-383.
9. Кадырова, З. З. (2021). Лексические издания в формировании перифраза о первом перифразе в прозе Алишера Навои. *Журнал филологических исследований*, 6(1), 17-23.
10. Кадырова, З. З. (2021). Некоторые комментарии к интерпретации и противопоставлению аспектов терминов перефразирование и перифраз. *Теоретическая и прикладная наука*, 1(6), 486-489.
11. Qodirova, Z. Z. (2019). Perifraza obrazli idroq mahsuli. *Ilm sarchashmalari*, 1(1), 54-57.
12. Bazarova, E., & Kadirova, Z. (2020). Practical knowledge of the stone names in linguistics. *Scientific Bulletin of Namangan State University*, 2(1), 178-181.
13. Kadirova, Z. Z. (2022). Lithosonyms used in the works of Alisher Navoi. *NeuroQuantology*, 10(10), 1907-1913.
14. Kadirova, Z. Z. (2022). The role of the names of precious stones in the formation of anthroponyms in the Uzbek language. *International Scientific Journal Theoretical & Applied Science*, 1(1), 182-187.

15. Ibrohimov, F. A., & Kabirova, Z. M. (2021). Inklyuziv ta'lim va yangicha pedagogik yondashuvlar. *Academic research in educational sciences*, 2(CSPI conference 1), 567-571.
16. Хамракулова, М. М. К., & Коканбаев, И. И. (2022). Билингвальное обучение на уроках химии, как средство повышения качества образования. *Oriental renaissance: Innovative, educational, natural and social sciences*, 2(1), 780-783.
17. Kukanbaev, I. I., & Sheralieva, Y. B. (2021). Using independent work to improve the effectiveness of teaching the topic" Halogens" in the school chemistry course. *ASIAN JOURNAL OF MULTIDIMENSIONAL RESEARCH*, 10(4), 172-176.
18. Abdunazarov, L. M. (2018). Issues on Teaching Ecology in National Continuous Eeducation. *Eastern European Scientific Journal Germany*, 3(1), 265-270.
19. Abdunazarov, L. M. (2019). National Education System of Ecological Education Supply and Implementation It. *International Journal of Research*, 6(4), 141-145.
20. Ахмедов, Б. А. (2021). Таълимда ахборот технологиялари фанининг модуллини ўқитишда кластерли-инновацион технологиялардан фойдаланиш тамойиллари. *O'zbekiston respublikasi oliy va o'rta maxsus ta'lim vazirligi*, 441.
21. Akhmedov, B. A. (2023). Improvement of the digital economy and its significance in higher education in tashkent region. *Uzbek Scholar Journal*, 12, 18-21.
22. Akhmedov, B. A. (2023). Innovative pedagogical technologies in the modern educational system. *World Bulletin of Social Sciences*, 19, 107-112.
23. Akhmedov, B. A. (2022). Use of Information Technologies in The Development of Writing and Speech Skills. *Uzbek Scholar Journal*, 9, 153-159.
24. Akhmedov, B. A. (2022). Psychological and pedagogical possibilities of forming tolerance in future teachers. *Uzbek Scholar Journal*, 11, 289-295.
25. Akhmedov, B. A. (2023). Methods to increase algorithmic thinking in primary education. *Uzbek Scholar Journal*, 12, 22-26.
26. Ахмедов, Б. А. (2023). Интеграллашган таълимда талабалар билимларини виртуал тест назорат қилиш тизимларини ишлаб чиқиш концепцияси. *PEDAGOG*, 1(5), 86-92.
27. Akhmedov, B. A. (2022). Principles of Developing the Professional Competence of Future Teachers on the basis of a Cluster Approach. *Galaxy International Interdisciplinary Research Journal*, 10(6), 760-770.