

PEDAGOGICAL FACTORS OF USE OF PEDAGOGICAL SOFTWARE TOOLS BY TEACHERS THROUGH ELECTRONIC INFORMATION EDUCATION ENVIRONMENT

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Abstract: In this article, the issue of preparing for emergency situations, ensuring the protection of human life and health, causing various diseases that threaten the human race and health, an event that is an obstacle to the development of society, the health of the race. They talked about the issues of stability of peace in the society.

Keywords: harmful factors, social, sanitary conditions, lack of exercise, healthy lifestyle, values, emergency, level of skills, chronological sources, danger, obstacle.

Qualification by introducing techniques and technologies into the education system that provide for the retraining of public education workers and the improvement of the educational programs of the system of improving their qualifications, the use of modern pedagogic and information and communication technologies, the expansion of distance education and independent education. The promotion system was radically reformed.

In the action strategy for the further development of the Republic of Uzbekistan, it is necessary to “take targeted measures to strengthen the material and technical base of educational institutions by further improving the continuous education system, increasing the quality of educational services, equipping educational institutions with computer equipment and teaching-methodical manuals,” issues were identified as a priority¹.

¹ O'zbekiston Respublikasini yanada rivojlantirish bo'yicha Harakatlar strategiyasi to'g'risida / O'zbekiston Respublikasi Prezidentining Farmoni / O'zR QHT, 2017. - 6-son, 70-modda; 20-son, 354-modda.

In accordance with this, increasing the quality level and competitiveness of personnel training and retraining, increasing the social role of the professional development system in the process of ensuring the quality of education are urgent tasks. Creation and improvement based on requirements is gaining great importance.

The analysis of scientific sources shows that learners absorb knowledge 40-60% faster with the help of information and communication technologies (ICT) compared to traditional technologies. As mentioned above, there is a high possibility of independent qualification through modern distance education. Learning through distance education explains two main approaches - extension and transformation models. In the expansion model, the teaching technology is almost no different from the current traditional method. The transformational model incorporates information and communication technology tools for teacher-student collaboration.

A.D. Askarov's distance training system of public education workers is a form of education in which distance learning technologies are integrated into the process of realizing the goal of training, updating and deepening the professional knowledge and skills of students, and its purpose is to improve the conditions that arise through the informatization of education, proved that using advanced technology and equipment, the training process is as close as possible to the place of work and residence of the students, strengthening and systematizing the scientific and methodical capabilities of training institutions².

Also, the following concepts about continuous professional development, expressed by A.E. Ibraimov, justify the essence of continuous professional development through independent professional development:

“Continuous remote training technologies are implemented on the basis of the educational process - a specially developed electronic information-educational environment based on distance learning technologies”. “Electronic information-

² Asqarov.A.D. Xalq ta'limi xodimlari malakasini masofadan oshirish tizimini takomillashtirish. Pedagogika fanlari bo'yicha falsafa doktori diss. -T, 2017. - 250 b.

educational environment is an open educational process in which the purpose, content, organizational forms, and methods of communication, information and physical space are active.³”

Therefore, it is appropriate to determine the content and methods of independent professional development depending on the teacher's general level, knowledge gaps, level of work experience and skills, ability to work independently on literature and other sources.

According to experts, the expansion of the virtual form in distance learning is a natural stage of the development of the educational system, which ensures the transition from traditional teaching to computer training programs, from regular libraries to electronic libraries, from small study groups to virtual classrooms of any scale.

Or as some studies suggest:

- the specialist stays at home, improves his skills, communicates with other students through communication technologies;
- learners are given the opportunity to work with different groups;
- students will have the opportunity to implement the order and schedule of study that suits them;
- it is possible to constantly expand the range of learners; - an opportunity will be created to conduct scientific and pedagogical activities together.

It can be seen from the above that it is important to increase the motivation to master educational materials in the process of retraining and professional development, to clarify the psychological and androgogic properties of distance learning, to use various methods based on the principle of a comprehensive approach, to base the educational process on information technologies, and to organize traditional activities in individual and groups are recognized as tasks.

In order to solve these tasks, it is important to apply blended learning technologies, develop educational and methodological resources of courses and

³ Ibraymov A.Y. Umumta'lim maktabi fizika o'qituvchilari masofaviy malaka oshirishlarining ilmiy-metodik asoslarini takomillashtirish. Pedagogika fanlari bo'yicha falsafa doktori diss. -T, 2017. - 163 b.

improve them based on an innovative approach, create pedagogical conditions and increase the effectiveness of teaching quality. Today, Blended Learning is a combination of elements of traditional education and distance education.

The process of continuous professional development through independent education is carried out based on distance learning technologies and on the basis of a specially developed electronic information educational environment. The electronic information educational environment is an educational process based on educational and methodological support, consisting of computer equipment and software telecommunication tools, aimed at creating quality information support for the professional needs of teachers, improving the continuous methodical training during professional activity. Motivation is one of the psychological factors that have a positive effect on the formation and development of interest for independent education of teachers in the electronic information educational environment. Organization of electronic information educational environment is based on modern educational paradigm, understanding of human individuality, knowledge and consideration of psychological characteristics of older people. Also, the electronic information educational environment is defined as the basis of innovation diffusion effectiveness.

The analysis of scientific literature shows that the diffusion of innovations is a process of periodic transmission of news between members of a social system through communication means, and it means popularization of previously used and mastered innovations in new conditions or in a new place. Considering the development of motivational resources of teachers on the basis of the electronic information educational environment, the achievement of personal results and new sources of educational information, it is necessary to pay special attention not only to the teaching tools and instruments, but also to the content of the environment, which is considered the meaningful basis.

The word content is translated as "meaningful", "content", "importance", "essence", "informative filling". The content of the electronic information educational environment is an important factor ensuring its effectiveness.

Based on this, the following should be taken into account when organizing continuous professional development through independent education:

- organization of an electronic information educational environment filled with content with motivational resources and new sources of educational information through a website in the field of science;
- formation of adaptation and motivation of teachers to the environment in the continuous professional development system based on the electronic information educational environment through the website;
- creating the necessary conditions for ensuring and improving the interrelationship and cooperation of the types of continuous education related to the introduction of the electronic information educational environment - the general secondary education and the types of professional development;
- to improve the educational and methodological support of continuous professional development, to test it in practice, and on this basis to regularly update the educational and methodological support on the website;
- assessment and monitoring of the quality of continuing professional development education based on the electronic information educational environment through the website;
- drawing up a prospective plan of teachers' activities after continuous professional development based on the electronic information educational environment through the website, control, etc.

Independent professional development through the website based on the electronic information educational environment allows primary school teachers to acquire the skills of using innovative teaching technologies during their professional activities, to familiarize themselves with the latest news in their specialty, and to develop the skills of applying news in practice to achieve a high level of professional activity. In addition to providing the following competencies, it is envisaged to develop the following competencies in teachers:

- media competence: gathering information, summarizing, processing, harmonious use of Internet materials;

- intellectual competence: use of mental activity methods, creative, logical, analytical-critical, creative thinking;
- global competence: selection, construction of information, determination of ways of use in the educational process;
- management competence: organization and management of students' cognitive activities in lessons with the harmonious use of technical and innovative technologies in the educational process;
- diagnostic competence: designing the educational process based on the requirements of the competence approach, predicting the expected and guaranteed results from classes using innovative technologies;
- competence of independent research: conducting planned research in order to gain professional qualifications and pedagogical skills based on the requirements of the competency approach;
- corrective competence: systematic work on oneself in order to achieve the expected result from the educational process, to identify the causes of mistakes and shortcomings and to eliminate them; methodological competence: mastering the didactic basics of organizing the teaching process in one's specialty;
- design competence: designing the educational process according to the purpose, taking into account the conceptual bases of the competence approach;
- constructive competence: processing educational materials for the purpose of using technical and innovative technologies, taking into account the conceptual basis of the competence approach;
- study and practice of advanced work experiences: study and practice the work experiences of moderator teachers in the field of technical and innovative technologies in the subject they teach.

In short, the content of the electronic information educational environment, aimed at organizing periodic and continuous methodical training of the teacher during his professional career, reflects the content of the curriculum introduced for general secondary education and the state educational standard, general secondary

education harmonization with the textbooks intended for schools is an important factor in activating the pedagogical activity of teachers.

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