THE ADVANTAGES OF CREATING DIDACTIC MATERIALS FOR NON-SPECIALIZED EDUCATIONAL DIRECTIONS BY USING INFORMATIONAL TECHNOLOGIES

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ABSTRACT

In this article, the matters of creating didactic materials by using computer technologies are profoundly and considerably discussed. The author reveals convincing evidences proving that didactic materials are main factors for ameliorating the efficiency of teaching process.

Keywords: IT, didactic materials, multimedia, photo materials, TV-communicational technology, multimedia files.

INTRODUCTION

In dramatically growing era the future of our country is tightly connected with the youngsters studying in the higher educational establishments. And therefore, instructing physically and mentally mature and perfectly deservable students has become one of the most pivotal issues of today's period.

Nowadays, creating didactic materials is essential for not only IT classes, yet they have a great influence in raising the efficiency in another classes since they provide those classes with live atmosphere with the help of audio, video and animations and therefore they are considered to be the pivotl means of accelerating the speed of teaching process.

Among the Uzbek scientists, A.Abdukodirov, M.M.Aripov, R.Kh.Ayupov, S.Ismoilov, N.I.Taylakov, U.Sh.Begimkulov, M.H.Lutfillaev, Q.Olimov have been profoundly surveying to create electronic applications based on information technologies, their use in education and perspectives of development were studied in the research works by Komilov, Sh.T.Ermatov, N.R. Rustamov, M.N.Tsoy and others. The procedure for the creation and implementation of e-learning literature in our country is given in the Concept of Creating a New Generation of Textbooks for the Continuous Education System. In the study of the structure of electronic textbooks, A. Nematov, G.Usmanov and T.I.Badalkhodjaev have created their own method with the technology of determining the cost of electronic textbooks.

Multimedia didactic materials mean - electronic textbooks with live sound, visual and multimedia capabilities. In other words, multimedia didactic tools are an electronic textbook that broadens the access to information and educational resources through multimedia technology.

MATERIALS AND METHODS

The quality of each of the lessons is determined by the teacher's approach to the subject, his skill and the ability to communicate his content to the students. At the same time, the computerization of educational institutions has risen to a higher level, and the implementation of new information technologies on the basis of computers is widely enhanced. In the transition

to information society, it is important for the skilled staff to be able to utilize any advanced level of expert computer, telecommunications and other means of communication. Thus, the effective use of informational technology in the quality of education in higher educational institutions is a good way to educate our potential specialists at the current and future level.

Cutting-edge computer equipped classes are satisfactorily provided with high quality computers, projection, audio and video functions that assists to raise the efficiency of the process.

We possess an array of information about the data yielded in the education system, which is based on knowledge of informational technologies. Telecommunication Technologies is the basis of the teaching pedagogical information in the field of computer science, which is the basis of the professional responsibility of the experts in the world. If this is the result of a qualitative approach to the quality of the informational technology, it is possible that the quality of the bill is the simplest time to be able to formulate the new quality volumes in the course.

Computers, which are a major achievement of human intelligence, are also fulfilling specific tasks in improving the teaching process. Nowadays, the simplest and most sophisticated phenomenon is modeled with a computer, is a computing experiment in research, that is, taking into account the intensified aspects of computations, with the help of modern media when it is impossible to get an eye on the researcher's activity, allowing you to analyze the results and ensure its relevance. The most pivotal thing is that it works well with the experimental subject.

In general, the combination of theory and practice in the learning process is main rationale of bright results.

The content of the knowledge and skills required by modern professionals is constantly changing and increasing. Future specialists should have a system of knowledge and skills that will enable them to effectively use computer technology in future professional activities.

Learning computer as an object in the learning process may be the development and diagnostics of teaching content, teaching and learning. That is, there are two ways to use computer technology in the process of teaching.

In the first, learning knowledge and skills lead to being aware of the possibilities of computer technology, and the ability to use them in solving various issues.

In the second, computer technologies serve as a powerful tool for increasing the effectiveness of the teaching and learning process.

DISCUSSION

Preparing students to use computer technology in their future professional occupation is more effective under the following conditions:

   1. Availability of a system of formation of knowledge, skills and qualifications in the field of using computer technologies in their future professional activities, and ensuring their professional readiness to conform to modern society;

   2. The availability of appropriate methodological support and material training facilities that enable students to develop the necessary knowledge, skills and qualifications.

The current state of the problems of theory and practice of higher educational pedagogy, such as the availability of computer technology in teaching and their role in the teaching process, will help to determine the extent of the skills of graduate students to use computer technology.

The teacher's ability to use computer technology in the teaching process, as well as teacher training, classroom teaching and post-performance analysis, will help the teacher to have sufficient amount of knowledge and skills in using computer technology.

Implementation with the developed assignments program reduces the time spent on explaining a new topic and, as a result, will allow activating the learning process, allowing students to spend more time on the subject, and learning deeper. On the other hand, a teacher can help students to master the knowledge, acquire skills and qualifications.

The key issue in using computer technologies is to expand the intellectual capabilities of people. At the moment, the concept of teaching is altering: knowledge acquisition is an opportunity to access information and take advantage of computer skills.

The use of computer technology in the learning process is a legitimate phenomenon. Only effectiveness of their usage in education is related to a clear picture of the substitution of complicated relationships in the teacher-student interaction system. Computer technology changes the purpose and content of teaching: new teaching methods and organizational forms are emerging.

The content of the training varies in several ways: the inclusion of subjects in the field of computer technology, providing students with vocational and general education; expanding the use of computer technologies in various fields of human activities; the influence of computer technologies on the teaching process is increasing; development of a new model of training members of a computerized society and etc.

Result

Upgraded students will be able to obtain the required knowledge and skills to use computer technology at a much higher level than in traditional teaching.

The use of computer technology in teaching provides a two-way effect:

1. Creation of new teaching methods will lead to changes in organizational and methodological forms.

2. Students will have the skills of using advanced computer technologies in the classroom.

Pedagogical laws, which form the basis of the future teacher's vocational training, are followings:

- the relevance of objectives, the context of informatization of education, the style and content of teaching, the dependence on the system of teaching the quality of knowledge and skills of computer technology and the personal characteristics of the student;

- computer technologies are, first and foremost, an instrument for the expansion, deepening and enhancement of the specialist's future professional activity;

- providing an appropriate and tested system of training and didactic tools to provide the required level of preparation for potential teachers to use computer technology during their study;

- formation of necessary skills and abilities to use computer technologies in future professional occupation of students of higher educational institutions.

CONCLUSION

In summary, one of the pivotal directions of the process of informatization of the society is the informatization of education. Informatization of education is widely regarded as a methodology for the field of education, as well as the effective use and retrofitting of new information technology tools aimed at the psychological and pedagogical use of teaching objectives.

References

1. Aripov M. M., Yuldashev Z.X., Yuldashev U.Yu. Information on continuing education in informatics // Informational technology in education: Materials of the Republican scientific-practical conference. - Tashkent: TSPU, 2000, - B. 19 - 20.
2. Musaev P. Functions of the Curriculum and Issues of Integration // DTS-based Curriculum: Problems, Researchs, Solutions. Seminar materials. - Tashkent: 2002. - B. 34 - 37.
3. Taylakov N.I. Problems of teaching informatics in continuous education // Actual problems of improving the continuous educational process: Materials of the Republican scientific-practical conference. -Tashkent: UzPIFITI, 11-12 May 2004. - B. 34 - 36.
4. Filatov O.K. Основные образования информатизации современных технологическому обучения // Informatika i obrazovanie. 1999. - No. 2 - S. 2 -4.