THE ROLE OF COMPUTER TECHNOLOGIES IN THE INNOVATIVE TRAINING PROCESS

Abstract: In this article the role of computer technologies in the innovative process of education

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Computer training technologies are the processes of collecting, processing, storing and transmitting information to a learner through a computer. To date, the most common are such technological areas in which the computer is:

• a means for providing the educational material to students for the purpose of transferring knowledge;

• a means of informational support of educational processes as an additional source of information;

• a means to determine the level of knowledge and control over the assimilation of educational material;

• a universal simulator for acquiring the skills of practical application of knowledge;

• a means for conducting educational experiments and business games on the subject of study;
• one of the most important elements in the future professional activity of the trainee.

At the present stage in many vocational schools, both separate software products for educational purposes and automated training systems (AOS) are developed and used in various academic disciplines. AOS includes a set of educational materials (demonstration, theoretical, practical, controlling), computer programs that control the learning process.

With the advent of Windows operating system in the field of vocational training, new opportunities were opened. First of all, this is the availability of interactive communication in so-called interactive programs. In addition, it became possible to widely use graphics (drawings, diagrams, diagrams, drawings, maps, photographs). The use of graphic illustrations in educational computer systems allows at a new level to transmit information to the learner and improve her understanding.

Increased productivity of personal computers has made possible a fairly wide application of multimedia technologies. Modern professional training is difficult to imagine without these technologies, which allow expanding the scope of computers in the educational process.

New opportunities in the system of vocational education are opened by hypertext technology. Hypertext (or hypertext), or a hypertext system, is a collection of diverse information that can be located not only in different files, but also on different computers. The main feature of hypertext is the ability to navigate through the so-called hyperlinks, which are represented either as a specially formed text or a certain graphic image. At the same time, there may be several hyperlinks on the computer screen, and each of them defines its "travel" route.

The modern hypertext learning system is distinguished by a convenient learning environment in which it is easy to find the necessary information, return to the material that has already been traversed, and so on.
Automated learning systems built on the basis of hypertext technology, provide a better learning ability, not only due to the visibility of the information provided. The use of dynamic, i.e., changing, hypertext allows the student to be diagnosed, and then automatically select one of the possible levels of learning the same topic. Hypertext training systems present information in such a way that the trainee himself, following graphic or text links, can use various schemes of working with the material.

The use of computer technologies in the system of vocational education contributes to the following pedagogical goals:

- development of the trainee's personality, preparation for independent productive professional activity;
- realization of the social order, conditioned by the needs of modern society;
- intensification of the educational process in the vocational school.

Innovative teaching technologies that reflect the essence of the future profession, form the professional qualities of a specialist, are a kind of testing ground in which students can work out professional skills in conditions close to real ones.

**Sources used:**

   - Профессиональное образование №1 2006