

Possibilities of Introducing Information Technologies in Educational Process

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Abstract: This article discusses such issues as the widespread introduction of information technology in the educational process, expanding the general horizons of future engineers, the possibility of thoroughly acquiring theoretical and practical knowledge in their profession, and the formation of professional skills needed by future engineers.

Keywords: information technology, future specialist, intruder, education, upbringing, worldview, theoretical knowledge, ability, professional ability.

Introduction

Recent advances in science and technology present a number of requirements for the qualifications of future specialists. One of these requirements is to teach the future specialist engineer to be able to timely understand innovations in his field. At the same time, the widespread introduction of information and communication technologies in the educational process will allow future specialists to expand their common views and thoroughly acquire theoretical and practical knowledge related to their profession.

In particular, this allows students to expand their scientific views through the independent use of interactive work programs for computers, professional computer games, auxiliary computer systems and similar information and communication technologies. Since the results of experiments show that the use of information and communication technologies in education doubles the efficiency of assimilation recipients. Here it is appropriate to cite the "pyramid of memory" of the data. If our students want to be fully prepared for their professional activities in accordance with modern requirements, they should have detailed knowledge about the information educational environment and conduct it in accordance with their specialties, especially when training specialists in social sciences and humanities. Using professional computer games, enriching the intellectual potential and increasing the scientific horizons, is a modern competitive experts in the preparation of soup.

It's no secret that people who lived and live on Earth have the same national and spiritual values as nationality, ethnicity, race, gender, lifestyle, appearance, ideology, customs, traditions, religion, language, language, profession etc. is different. But, the field (direction) that unites humanity is universal and universal values. It is well known that such values arise on the basis of the scientific values of their time. These include wheel making, fire, recording and book printing technologies; the creation of various alphabets (Baburi behavior); creation of metalworking technology; creation of steam engines and internal combustion engines; the emergence of technologies for converting electricity from one type to another; access to telephone and telegraph networks; widespread use of electronics and computers in practice; areas such as artificial intelligence are the result of the scientific heritage of our sages.

In this regard, it is advisable to note the rich heritage left to us by our great encyclopedic scientists.

Materials and methods

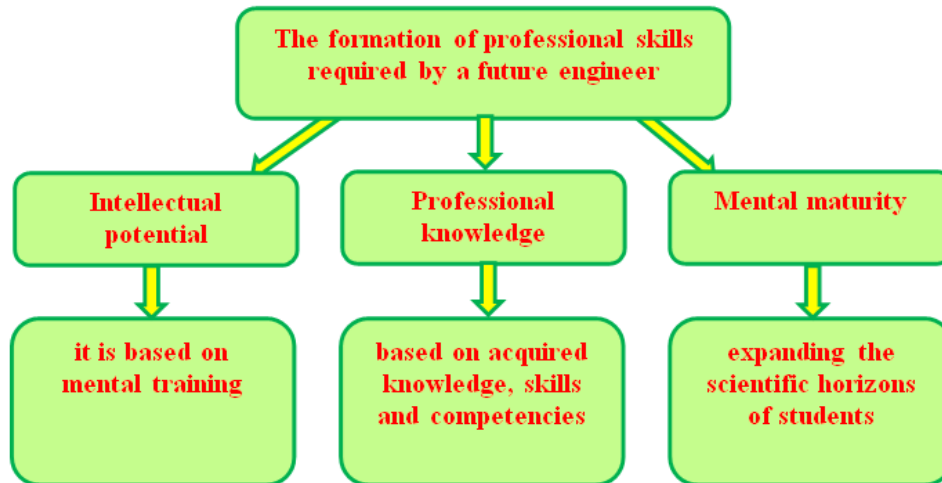
Although they were popular science values of their time, today they have become a manifestation of various material, social, spiritual, enlightening and even universal, universal values and are used by humanity, i.e., people, communities, the state, society, to satisfy their vital needs. Although we do not know who invented objects, means of production and weapons, from Stone Age weapons to space exploration, we do not know who invented them. People living all over the world use it today.

To expand the scientific worldview of students in various aspects of the educational process, it is enough to fix the scientific works in the formation of each discipline and draw the student's attention to the process of scientific research. It is best to start this from the first year, giving students independent assignments, and do it in a continuous sequence as follows:

- To teach students to collect information about the studied concepts and turn them into information. This includes compiling a list of library files and literature based on them;
- provide information on abstracts or abstracts of literature for study. Natural science teachers can do this in the early stages of their science, that is, when they describe the goals and objectives of science and objects, or this process is also a direct task of scientific and creative circles;
- Students are asked to write an essay on a specific topic, and thus they can be given current assignments before graduating. The knowledge gained in it became a solid foundation for a high level of knowledge of subjects in the following blocks

of subjects in the curriculum and especially creative tasks for four years (searching for information for independent study, writing annotations and abstracts, preparing abstracts and lectures, working on courses and dissertations). also had a solid intellectual foundation in its implementation.

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In general, education is a key factor in determining a person's mental maturity. It has been handed down from generation to generation as an example of the life and work of perfect people and parents from time immemorial, and it is no secret to anyone that today we have a rich historical national heritage. For this reason, the problem of upbringing, especially mental upbringing, was carried out in different points of view and directions at different stages of the development of society, since they also determined the worldview and intellectual potential of participants in the development of society.

Result and discussion

In this regard, the upbringing of a harmoniously developed generation is very important for the future development of our independent state, and the formation of a spirit of independence, especially among young people, is more relevant than ever. The results of our long-term observations in this area show that a spiritually and morally mature person, that is, a broad-minded person, mentally mature, includes the following:

- he cares about the well-being of all family members, neighbors and people of the whole country;
- he seeks to be the person he needs (benefits), just as others need him;
- he considers it his duty to be polite, well-mannered, intellectually mature, broad and enjoyable; respects, preserves and remains faithful to scientific, spiritual and national values;
- feelings of patriotism, nationalism and humanity in it will be stable;
- he seeks to be a comprehensive example in the interaction between people;
- he is used to doing good to people and is especially happy to lighten the burden of others;
- respects the Constitution and similar important state documents approved by the people and loyal to the symbols of the state;
- he lives with a sense of military patriotism in the defense of his homeland;
- he will be fair, pious, kind, the patron of good, faithful to the promise;
- he can show dedication for the development of the homeland, peace in the country, the welfare of the people and so on.

We can collect a very large amount of data for each of the above sequences, that is, we can create a database for each of them.

Conclusion

So, the task now is to understand the above sequence, use the mind, create databases based on them and divide them into systems that meet the intended goals and objectives, develop methods, tools and ways to use them in the educational process. Of course, this is a large-scale work, and to solve it requires high intellectual potential from the future engineer. This is due to the fact that the use of scientific and technological achievements in the development of society significantly accelerates the level of development.

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