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🔓 **Research Article**

MODERN EDUCATION AND INNOVATIVE TECHNOLOGIES IN THE FIELD OF ADVANCED EXPERIENCES

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ABSTRACT

In this article modern advanced technologies which are used in educational system are discussed. Also, it is explained how they influence the methods of teaching. Particularly, their types are clarified and ICT is informed as principal example of modern technologies which is mostly used in education.

KEYWORDS

Innovative, innovation technology, methodology, Latin, slides, diagram, ICT, student-oriented, activity, institution, standard.

INTRODUCTION

Innovative educational technology is the effectiveness of the educational process, increase and the current trends of socio-economic development to create conditions for appropriate educational activities existing methods and tools in some new or qualitative way the methodology of organizing educational activities, including improvement of society. The word "innovation" comes from Latin . "Novatio" "renewal", means "to change" and "in" translates as "in the direction of". Literally "innovatio" - "in the direction of change". Besides, it is not just any innovation, but the activity after its application efficiency and quality will improve significantly.

Under technology (Greek techne "art", "skill", logos "word", "knowledge" means the science of art) in any business or anything the set of

methods and processes used in production is understood. Any innovation finds its way through technology. Thus, innovative technology is a variety of human activity new to ensure progress and increase efficiency in their fields the technique and process of creating things or improving existing ones.

Current methods are less effective with the new generation of students does not work. Standardized education emphasizes the individual qualities of the child and does not take into account the need for creative growth. Despite a number of problems that cannot be solved by old methods, there are difficulties in introducing innovations. It is necessary to introduce innovative methods not only to students it helps to master more effectively, but also their creativity develops its potential. But this is the teacher's own intellectual and creative ability also helps him realize his potential. Different pedagogical innovative methods are used in school education.

The profile orientation of the educational institution, its traditions and standards play a big role.

The most common innovations in the educational process:

• information and communication technologies (ICT);

• student-oriented education;

• design and research activities;

•game technologies.

ICT implies the integration of teaching subjects with informatics; as well as computerization of assessment and communication in general.

The computer can be used at any stage of the educational process. School children to work with basic programs, electronic textbooks and are taught to study the material thanks to the study guides. Teacher presents the material using a computer and a projector, presentations. The topic is better due to the clarity of diagrams, audio and video files helps to understand. Making slides, diagrams, memory cards help to form knowledge, which in memorization . The presence of a computer, the Internet and special programs makes this possible provides distance learning, online tours, conferences and consultations.

The subject can be used as a control at the end of the study computer tests. Schools use the system as electronic journals, in which you work on an individual child, class or a specific topic you can track the results. By accessing to and electronic diaries are where grades are posted and homework is written, parents can find out about the child's scores and the availability of assignments.

It is important to learn students how to use the Internet directly, search engines and social networks. With a perfect approach, they are an inexhaustible source of information and a way of communication between teachers and students.

Using innovative technologies, you can remotely access interesting books, manuals, share articles, educational videos and audios, you can answer

questions students ask. Developing a group project   participants can improve their communication skills. Participants share their best practices, they share their results with each other and with the curators they solve different problems. Innovative activities in education are innovations in the field of education includes complex activities which aimed at its emergence. This is innovations, methods and methods of organizing the educational process, education and resources, scientific theories and there may be concepts.

Innovations are new scientific knowledge, some discoveries, inventions which develop through the use of research activities.

In addition, the emergence of innovations in design work, may be the result of existing scientific theories and concept based on which reflect the possibilities of practical action and instrumental and technological knowledge is developed. And so, innovative projects will be created, which will later lead to new technologies causes it to appear.

Innovations also develop in the process of educational activities. Studying in the process of developing students' theoretical and practical knowledge is increased, then it is related to the creation of innovations and it can be used in various areas of practical life.

Innovative educational technologies consist of into three main components based on:

1. Modern, well-built content, its basis is entrepreneurship in the professional activity that meets the current reality of the activity. The content of which is transmitted through modern means of communication includes multimedia materials.

2. Application of modern, innovative methods in teaching. Such methods are used   to form the competences of the future specialist, and students to engage in active learning and practical activities, initiative in the learning process should be directed to show. Training programs which are passive assimilation, is excluded.

3. Availability of modern infrastructure in the educational process. For example, new forms and methods of education, in particular, distance education information, technological, organizational also it should be based on communication components.

Innovative technologies in education are specific in teaching applied based on the application of approaches, i.e. new technologies including the requirements and goals that are the basis for development principles.

All innovations in the field of pedagogy are social and economic.   It is based on the exact correspondence to the current stage of development. At the same time, they develop students' independence, self -formation of learning and self-development skills, training to master their programs not mechanically, but consciously should be focused.

Information and communication technologies in the field of science education or

ICT. The use of these technologies is the development of the information society and related to the active introduction of information media in all spheres of life such technologies to inform the minds of students directed. Educational programs in informatics, information processes and ICT includes new subjects which are aimed at learning. The educational process is also being actively informed with professors and teachers to help increase the information culture of students.

By way of conclusion, it is important to say that, it is an inescapable fact to use modern advanced technologies helps to improve the effectiveness of teaching and learning. It creates lots of opportunities for both teachers and students in education. Also, it is useful for parents to control their children's study.

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