

Information and communication technology (ICT) in education

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Annotation: This article discusses the effectiveness of the use of information and communication technologies in education. The article discusses the use of computer game technology in the educational process.

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Introduction

The main factor in the development of information and communication today is the widespread use of computers in various fields. Expansion of the use of computer technology, the creation of information technology in all spheres of life, ie in production, science, education, medicine and other areas, ie rapid information exchange, short-term information processing, timely access to resources. leading to transmission.

The following information and communication potentials are important in determining the readiness of a modern teacher to work in an information environment:

- Ability to perform professional tasks using modern tools and methods of informatics using information and communication technologies;
- Developed personal qualities that reflect the level of readiness for the use of information and communication technologies in professional activities;
- Ability to properly assess the situation and organize subject-specific knowledge that can make effective decisions in pedagogical activities using information and communication technologies.

The main difference between the new information environment and the traditional one is that it consists of a small technological system. After all, the integration of information and communication technologies in the educational process of any educational institution is accompanied by radical changes in all other didactic, organizational, economic, theoretical and methodological subsystems of education.

In order to effectively use the opportunities of the information educational environment, the educator, as a consumer, must have a full range of technical capabilities.

Information technology is a set of methods and tools for collecting, storing, transmitting, modifying, and processing information.

New information technology in education means the latest information technology that can only be used in the educational process.

New information technologies are the provision of computer-based information retrieval and processing services by different categories of users.

Information technology is the use of computer technology and communication systems to create, collect, transmit, store, and process information for all walks of life.

Information and telecommunication technologies in education are a set of methods and techniques of transmitting information to students using computers and telecommunications, testing the acquisition of knowledge, processing and use of knowledge acquired in real life.

The software is a control environment that responds appropriately to the situation that occurs in the student's actions. The software is specially designed or adapted for use in teaching.

Depending on the function of the software used in the training, it is described as follows:

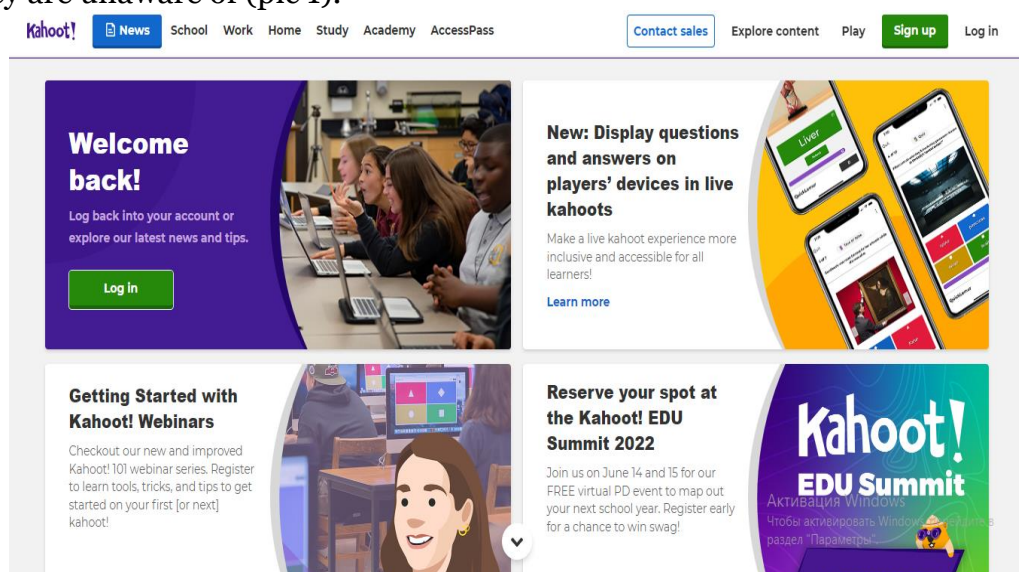
- Automatic learning systems based on electronic intellectual textbooks that provide interactivity, multimedia, large volume and hypertext of educational materials;

- Science-oriented environments called micromircles;
- Laboratory classes;
- Trainers;
- Reference systems;
- Computer games.

Discussion

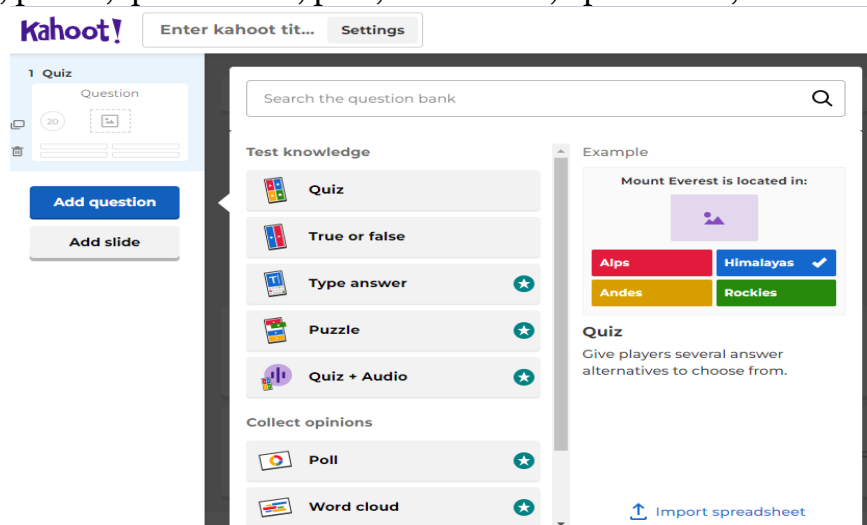
The role of IT in engaging students in the learning process is invaluable. The use of game technology to reinforce the new theme is yielding good results. The use of computer games to reinforce the theme can engage students 100 percent in the learning process.

Today, the most popular technology of computer games that can be used in training sessions is provided by Kahoot.com. Kahoot.com offers the opportunity to use the control section in the form of a quiz among students to repeat a new topic in the classroom. During the course, almost all students take part in quizzes, strive to take first place in the quiz, and reinforce a new topic in a situation they are unaware of (pic 1).



Pic 1. Kahoot.com

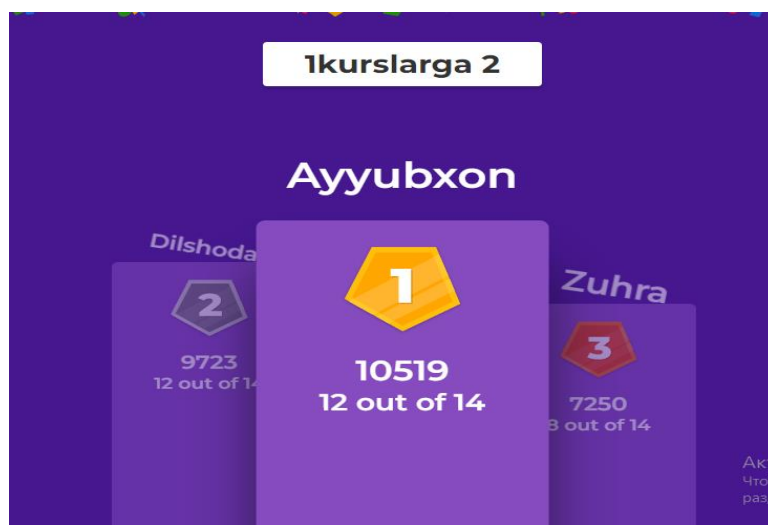
To use Kahoot.com, a teacher must be registered. the teacher prepares various types of tests in advance for the students in the class. Kahoot.com has tests in the following forms: Quiz, true or false, type answer, puzzle, quiz + audio, pool, word cloud, open ended, brainstorm(pic 2).



Pic 2.

During the lesson, the teacher demonstrates a quiz to use the kahoot tests. Students can take the quiz through kahoot.it by simply entering the quiz pincode and their nickname without any registration.

Students were given as many points as they answered the test questions quickly and accurately. At the end of the quiz, the students who took the first 3 places will take the podium(pic 3).



Pic 3.

Conclusion

As a result of the use of kahoots in the classroom, the following changes are observed in students:

- Interest in training;
- Be active during the training;
- Increased motivation to learn a new topic;
- try to be the first in the quizzes;
- strive to find test questions quickly and accurately;
- will be in a high mood until the end of the training session.

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