

Features of Using Multimedia in the Educational Process

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Abstract: The article examines the features of using modern multimedia tools in the educational process. The advantages and limitations of their implementation are revealed, the requirements for the teacher's competencies necessary for effective professional activity using information technologies are analyzed.

Keywords: teacher, multimedia, computer technologies, innovative methods, learning process.



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Introduction

Since independence, the country's leadership has paid special attention to the education system. In order to educate the younger generation with modern knowledge and new pedagogical technologies, and to create a national program for training qualified personnel who meet the highest spiritual and moral requirements, the Law "On Education" was adopted.

The "Law on Education" is aimed at raising the younger generation to be physically strong, spiritually developed, mentally perfect, capable, deeply versed in modern sciences and professional skills, independently thinking, humane and hardworking individuals. The requirement of the time is the continuous development of the quality of the educational process of higher education by using information technologies and increasing the efficiency of the system of education and training.

Today, teachers are required not to remain within the circle of theoretical tasks of their subject, but to develop professional competence and elements of professional mastery based on legislative documents on the organization of the educational process. Also, a teacher must have creative potential, master one of the foreign languages at the proper level, become the creator of a unique national educational technology, not only a text editor, but a full-fledged user of computer technologies in the process of his work.

The current task of today's teacher is knowledge of modern innovative, information and communication technologies and their use in the educational process. A modern teacher must be a skilled case scientist and testologist. [1, P. 86]. The country creates many conditions for the training of highly intelligent specialists with innovative and independent thinking. Multimedia tools are widely used in the educational process for this purpose. According to experts, the use of multimedia tools in the process of oral communication teaches students independent thinking,

developed creative activity, and teaches them how to receive, process, and summarize information. It teaches you to draw the necessary conclusions. So, today it is necessary to carefully study the ways of use, the goal is to apply them appropriately in practice. A teacher who uses multimedia tools in the educational process gets the opportunity to present his theoretical knowledge using modern technology. This innovative, cutting-edge business generates interest among students, helps to study topics more deeply, develops individual abilities, enriches consciousness, and increases knowledge. With the help of multimedia resources, students learn a particular topic faster and become active participants in the learning process. Today, the skillful use of pedagogical software from the country of teachers of any subject has become a requirement of the time.

Materials and methods

The rapidly changing economic, social and spiritual life requires teachers to use interactive pedagogical methods in shaping the worldview of students. Traditional classes are gradually giving way to intensive, interactive methods and non-traditional lessons. The use of innovative technologies provides an opportunity to activate students in the learning process. Modern educational institutions are equipped with modern computer and information technologies. This requires an innovative attitude towards their work from teachers. The use of modern technologies in the educational process leads to a change in the role and tasks of teachers, improvement of pedagogical activity. Now the teacher is required to become:

- designer-creator of training courses;
- advisor on teaching methods;
- specialist in interactive methods of computer training courses;
- a specialist in knowledge results control.

It is known that the assimilation of educational materials by students and the preservation of the information received in the memory of students depends on the teaching methods. Along with the use of traditional methods, active methods should be used, which allows deeper assimilation of the information received. Currently, methods of new pedagogical and information technologies have been developed, which differ from traditional methods in modern times. They serve to increase the level of student activity, are widely used in the educational process. During the educational process, the teacher uses advanced methods in particular: "Lesson-conference", "Lesson-seminar", "Lesson using toys", "Lesson related to the profession", "Study and analysis of fiction", "Eureka", "Working in small and large groups", "Role-playing games", "Solving crosswords", "Smart questions", "Test challenge", "Lesson using handouts", "Cinquain games", as well as innovative educational methods, for example, "Modified Education", "Improvisation", "Brainstorming", "Debate", "Method of developing critical thinking", and "Cluster method", "Problem situation", "Study and analysis of a certain condition or situation", "Which teaches everyone", "Have your own point of view". [2, P.16]. At the same time, it is important to use multimedia and other means. Here comes the question: What does the concept of "multimedia" mean and what is it?

Many experts give different explanations for this concept. Multimedia is the presentation of educational material to students through audio, video, text, graphics, and animation using computer science hardware and software. Multimedia tools (multimedia-a set of tools) is a set of technical and software tools that make it possible to use the natural environment; sound, video, graphics, texts, animation, and others that communicate with a computer. Multimedia is a modern computer information technology that makes it possible to combine text, sound, video, and animation into a single whole. The workflow of multimedia practice is a hardware and software environment that provides a user with a convenient way to introduce, process, save, and transmit

information in the form of text, drawings, video images, voice, and speech. A properly designed multimedia program is a more advanced method in comparison with an informational text, it allows the formation of specific and effective ideas for students. The use of multimedia tools in education provides the following opportunities:

- ✓ improving the effectiveness of the educational process;
- ✓ development of personal qualities of students;
- ✓ development of students' communication and social abilities;
- ✓ expanding the possibilities of individualization and differentiation of open and distance learning for each individual using computer technology and electronic information resources;
- ✓ the attitude towards the student as an actively acquiring subject of knowledge, recognition of his merits;
- ✓ taking into account the personal response and individual characteristics of the student;
- ✓ independent conduct of educational activities;
- ✓ education of skills of adaptation to rapidly changing social conditions and successful fulfillment of professional tasks using modern educational technologies. [1,P.15].

Discussions

To fully unlock the possibilities of multimedia technologies for students, the help of competent teachers is needed. Along with using a textbook, the teacher should help students in using multimedia technologies, not only to present information, but also to support and manage the process. Multimedia is an effective and progressive means of teaching, they make it possible to present information more broadly in comparison with the traditional method, to choose graphs, diagrams, animations and video images in accordance with the level of acceptance of information from the learners, in accordance with the logical sequential study of the material. Achieving a culture of oral communication, a culture of speech, and the ability to fully communicate one's opinion should be the goal of the owner of each profession. The problem of oral communication is posed to society by life itself. Therefore, the culture of oral communication and the legitimate need for communication will undoubtedly become a vital requirement. Multimedia is one of the most effective methods of forming literate cultural speech, developing the effectiveness and quality of education. Audio - video communication increases interest in the lesson, awakens the desire for new knowledge. Based on the above opinions, we would like to discuss in more detail the possibilities of multimedia tools in teaching the module "Oral communication".

1. When teaching the module "Oral communication", it is possible to develop the skills of creative relationships and creative thinking of students in the educational process.
2. When teaching the module "Oral communication" with the help of audio recordings, it teaches students how to achieve speech etiquette in the process of communication. The use of audio and video recordings of poems by representatives of classical and modern literature increases the effectiveness of lessons.
3. Using multimedia tools, during the classes of the "Oral Communication" module, you can edit the text of the lecture, see the animation elements and draw conclusions during the lesson.
4. When teaching the module "Oral communication", the use of multimedia means provides an opportunity to provide deeper and more detailed information and better assimilation of the material.
5. There is an increasing interest in communicating with new areas of education.

6. The acquired knowledge is stored in the memory of students for a long time, it makes it possible to apply knowledge in practice at the right moments. [4,P.28].

The use of multimedia presentation is the most effective method in teaching "Oral communication". It is possible to attract students' attention more by presenting information in a dynamic visual sequence (slide shows, animations, and videos) this makes it possible to learn the material more deeply. Multimedia presentation provides direct perception of information. The student sees all the information and can use the parts of the material that interest him. The perception of the material does not require much work and time. Unlike other methods of presenting information, multimedia presentation, although it consists of several thousand passages of text, drawings and diagrams, audio and video recordings lasting several hours, animations of three-dimensional graphics, provides minimal reproduction costs and a long shelf life. When teaching the "Oral Communication" module, the teacher's use of electronic presentation slides makes it possible to widely use them as visual learning tools. Animations make it easier for students to learn the topic and increase visibility. Slide materials can be used as handouts. Students can express their attitudes towards the slides, make analyses and conclusions.

Results

There are some problems in the use of multimedia in the educational process. In particular,

- development of educational materials and other guidelines in the form of electronic manuals or computer training programs necessary for the educational process;
- the use of multimedia elements for created computer programs;
- a distraction. Complex methods of presenting information can distract students' attention from the main topic of study. Large amounts of information, various applications and others used in multimedia media can distract students' attention.;
- difficulties in creating educational materials. Creating multimedia elements, such as audio, video, graphics, and other elements, is more difficult than creating traditional materials in the form of texts.;
- it takes more time. Creating multimedia materials on your own, as well as using them as a user, requires more time. The creation of multimedia educational tools requires a lot of time and attention.;
- problems arising in the preparation and use of software and hardware. For the effective use of multimedia learning tools, the technical means must be in good working order. The presentation of multimedia materials requires more quality and extensive capabilities than editing texts and simply presenting them to other students.;
- difficulties encountered when reading information through computer screens. Reading computer text is more difficult than reading text printed on paper. There is a lot of information, and reading newspaper and book versions that require full familiarization is more convenient. [3,P.42].

Conclusion

Usually, multimedia tools will become a tool to help you find the necessary information and print it out on paper. In conclusion, it should be noted that one of the important requirements of the organization of modern educational processes is to achieve high results in a short time without unnecessary emotional and physical stress. We believe that multimedia tools are the right tools for this.

References:

1. Tay Vaughan. Multimedia: Making It Work. Chapter 1: What Is Multimedia? 2011.

2. Ishmuhamedov R., Abduqodirov A., Pardaev A. Ta'limda innovatsion texnologiyalar. Ta'lim muassasalari pedagog-o'qituvchilari uchun amaliy tavsiyalar. – Toshkent, 2008.
3. Ibragimova M., Shermatova H. O'qitishda faol usullardan foydalanish. Tashkent, 2005.
4. Yo'ldoshev J.G', Usmonov S.A. Pedagogik texnologiya asoslari: -T.: «O'qituvchi», 2004 y.
5. Расулмухамедова Д. Использование мультимедийных средств при обучении модулю «Устное общение» //XIV Виноградовские чтения. – 2018.
6. Расулмухамедова Д. Введение новой педагогической технологии в процессе обучения. Тридцатые международные плехановские чтения. – 2019.