

The Advantage of Using Multimedia Electronic Teaching-Methodical Complexes in Forming the Intellectual Competence of the Listener

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Annotation: This article discusses the role and functions of multimedia e-learning methodological complexes created through the use of digital technologies in the formation of intellectual competence of students.

Keywords: digital technology, intellectual, competence, multimedia models.

Currently, based on international pedagogical experiences, it is important to develop the intellectual competence of students through innovative educational technologies, to develop new paradigms of education, to use traditional and modern methods of teaching, and to effectively use the integrative capabilities of didactic tools. In the process of education, the use of information technologies, technical means of educational materials, animation and video clips, and the use of audio-visual tools create a wide-ranging realistic vision of processes and tasks in students. It is known that the 21st century is the age of telecommunications, and the formation of intellectual competence in students with the help of computers, the Internet, e-mail, and audio-video textbooks is one of the current trends. The use of modern multimedia electronic teaching-methodical complexes in the development of intellectual competence in the educational process has a good effect. Multimedia electronic teaching-methodical complexes can be used in the educational process in the following ways: in teaching certain subjects; as demonstration material; organizing group and frontal work of learners; organizing scientific research of students; in solving the issues of proper organization of independent education. The use of multimedia electronic teaching-methodical complexes in the educational system required the revision of many existing concepts both in content and in essence. Therefore, a different approach and attention to education and training processes began. When we say the educational process, we have in mind the whole process of interaction between the teacher and the student. Now this process is being combined with electronic teaching-methodical complexes - electronic textbooks, educational video and audio materials, computer programs, Internet technologies. In this process, teaching directly depends on the student's greater internal capabilities, intellectual potential, information reception and assimilation characteristics. One of the advantages of electronic educational-methodological complexes with multimedia is that they are designed for in-depth assimilation of educational materials and scientific information through the formation of independent education, creative thinking, skills and abilities. Also, these types of complexes are better than traditional teaching-methodical complexes due to the concentration of scientific information, the richness of exhibitions, that is, the use of various animations, and taking into account the features of interactivity. No matter what special subject a multimedia electronic teaching-methodical complex is created, it must initially correspond to the curriculum of this subject and meet the requirements set for teaching-methodical publications. Multimedia electronic teaching-methodical complex can be designed for general professional and special subjects. It should reveal the content of the studied subject and have a sufficient volume to achieve the educational and methodological goal. Each created multimedia electronic educational-methodological complex should be suitable for the age of the student, while focusing on the development of his intellectual potential, ensuring that the topics are fully covered in the

curriculum of the subject, and ensuring interdisciplinary connection, and the design should be relevant to the study. proportionality to the topic of science, increasing interest in the profession, attention should be paid to visual information describing scientific achievements - devices, equipment or certain parts of them in different colors. or is one of the methods. Therefore, the Law of the Republic of Uzbekistan "On Education" emphasizes the support of innovative activities in educational organizations and the implementation of educational programs using innovative technologies (1). Raising the next generation to be physically healthy, intellectually developed, independent-thinking, with a firm life position, loyal to the Motherland, deepening democratic reforms and increasing their social activity in the process of civil society development "Five priority directions for the development of Uzbekistan in 2017-2021 are defined as important tasks in the "Strategy of Actions on (2). Fundamentally improving the quality of education in professional educational institutions by our state, taking into account the interest of students in the profession, creating wider conditions for young people to master the specialty of their choice, their knowledge , the issues of ensuring that skills and qualifications (BKM) match the requirements of the labor market are made urgent. This makes improving the quality of education one of the most important tasks for the communities of educational institutions. The sources give various definitions of the quality of education. Including: Quality of education - high level of training of students and educational activities that ensure achievement of the results specified in the state educational standards and state requirements. The quality of education is a set of knowledge acquired in specific conditions, which is necessary to improve the quality of human life and to use it to achieve a specific goal. (3). As can be seen from the definitions given above, ensuring the quality of education depends on several factors, the most important of which is the optimal organization of the educational process and its management, the potential of pedagogical staff, modernization of the infrastructure in accordance with the requirements of the time. is determined by being done. Quality indicators of the quality of professional education include:

1. The quality of pedagogues-teachers of the educational institution;
2. Quality of vocational education masters;
3. Real motivation of teachers and vocational education masters;
4. Quality of educational programs;
5. The condition of the material and technical base of the educational institution;
6. Students' knowledge level;
7. Quality of management personnel;
8. Effective internal control of the quality of education in the educational institution;
9. Innovative activity of management;
10. Employers have real requirements for graduates;
11. Competitiveness of graduates in the labor market;
12. Creation of an innovative environment.
13. Infrastructure of the educational institution;
14. Achievements of graduates;
15. Volume of the training load;

16. Providing students with educational and methodological materials and electronic learning resources;

17. Use of ICT. The level of knowledge is not always determined by the amount of material learned, but rather by the ability to use this material.

Today, the use of innovative educational technology is a completely new way of teaching. Innovation in education means formation of skills in students by using new forms and methods in the field of education and science. Innovative technologies are the introduction of new components for the educational system, and innovative technologies in education are the organization of the educational process that allows to achieve educational efficiency on the basis of qualitatively different tools, methods and technologies: high level of knowledge take over; development of creative activity; a wide range of practical skills and abilities. The goal of innovative technologies is the formation of an active, creative personality of future specialists who independently create and adapt to educational activities, that is, the main goal of innovative educational technologies is to prepare a person for a constantly changing global life. Innovative technologies: ∞ increasing the interest of pedagogues in scientific activity; ∞ development of students' cognitive abilities based on constant involvement in complex activities; ∞ to provide active support of teachers in students' acquisition of BKM; ∞ allows for interactive communication between the teacher and the student. The development of modern information technologies requires the educational institution to introduce new approaches that ensure the development of communicative, creative and professional knowledge, and the development of teaching needs. There are multimedia technologies that occupy a special place in the activities of information technologies in the field of education. Multimedia technology is a modern tool that helps the teacher to increase the level of knowledge of the student. Modern multimedia programs have great opportunities for displaying information. Working with multimedia technologies creates new opportunities for teachers and students. For teachers: - it ensures that the valuable time that the teacher usually spends on explaining the educational material is saved in the lesson; - allows teachers to explain new educational materials from anywhere in the classroom; - creates a certain flexibility, which allows the teacher to draw and write any programs and web resources. For students: - creates more opportunities for participation in public affairs, formation of personal and social skills, development of communication skills; - the possibility of more creative work arises, self-confidence increases; - he can prepare the task assigned to him in advance or in class. Education of students and retraining of personnel on the basis of multimedia tools is one of the most urgent issues of today. Multimedia is an embodied form of delivering educational materials to students using audio, video, text, graphics and animation (movement of objects in space) based on 48 modern software and technical tools of informatics. Multimedia is an effective educational technology due to interactivity, flexibility and integration of various educational information, as well as the ability to take into account the individual characteristics of students and increase their interest. The use of multimedia technologies in teaching is considered two main methods of pedagogical activity: passive and active principles of interaction between the student and the computer. Passive – passive multimedia is developed to manage the information presentation process: lectures, presentations, seminars. Active is an interactive multimedia tool that plays the role of an active learner. Use of multimedia programs in lessons; by optional classes; for full-time study; it is carried out as an independent work of students outside of class. Undoubtedly, the use of multimedia technologies in the educational process has several advantages: 1. It is possible to combine logical and figurative methods of information acquisition.

2. Due to the increase in the scope of demonstration, the educational process will be activated.

3. It can have an interactive effect.
4. Through three-dimensional (spatial) computer animation, which includes video films and extensive illustrative materials, it allows to increase the motivation of students by imagining complex schemes, internal processes and events.
5. It will be possible to implement flexibility and integration of various types of multimedia educational information.

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