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IMPORTANT ASPECTS OF FORMING THE SKILLS OF USING INFORMATION AND COMMUNICATION TECHNOLOGIES IN PREPARING STUDENTS FOR PROFESSIONAL ACTIVITIES

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ABSTRACT

In this article, the important aspects of the formation of the skills and competencies of the effective use of information and communication technologies in the educational process are highlighted in the preparation of future music education teachers for professional activities.

KEYWORDS

Information, information, communication, technology, multimedia, electronic textbook, program, innovative approach, music literacy.

INTRODUCTION

Reforms in the education system and the issue of comprehensive training of qualified personnel are gaining urgent importance at the level of state policy in the development of today's New Uzbekistan. The teacher assessed the quality of the personnel, their professional competence, pedagogical skills, innovative approach to education, pedagogical technologies and interactive methods, as well as the skills and competencies of using information technologies. It is necessary to prepare future teachers to quickly perceive and process a large amount of

information, to acquire modern tools, methods and work technology. In this regard, the use of information and communication technologies, training for the informatization of education has become an urgent issue in preparing the future teacher for his professional activity.

In the Law of the Republic of Uzbekistan on Education, "the use of information and communication technologies, advanced and innovative forms and

methods of teaching and training" is included in the list of pedagogical obligations.[1]

Today, the use of information and communication technologies in all spheres is the demand of the times, and this is giving its result in facilitating activities in all spheres. Also, its capabilities serve as an important tool for effective, high-quality solutions to problems in many social spheres of human development, especially in spiritual and educational spheres.

The use of information, communication and pedagogical technologies in education, opening the door to new opportunities for teaching staff in their subject, increasing the effectiveness of teaching, increasing intellectual level and pedagogical influence, self-learning, self-regulation, continuous work on oneself, formation of research skills and helps to solve pedagogical problems.

Informatization, modernization of education, introduction and implementation of innovative approaches in music education, provides the theory and practice of using modern information technologies in the field of music pedagogy.

Informatization means an active process of introduction of computer technologies and new information technologies into various spheres of production, education, social and personal life of people. Informatization has significantly changed the process of acquiring knowledge. New educational technologies based on information and communication make the learning process more intense, increase the speed of perception, understanding and, most importantly, increase the depth of mastering a large amount of knowledge. [3.] The use of information technologies, in particular, in

the effective organization of music education, makes it possible to turn it into a lesson of art and creativity in a broad sense. In this case, music makes it possible to achieve the intended goal of education and formation of musical knowledge and skills even in children who are gifted and have no musical education.

LITERATURE ANALYSIS AND METHODOLOGY

There are different interpretations of the concept of information technology in the scientific literature. Including: Russian pedagogue I.G. Zakharova, "Information technology" is a system of scientific and engineering knowledge, as well as methods and tools used to create, collect, transfer, store and process information in the field of science, and information technology in education is the use of special methods Pedagogical technology is defined as a software and technical tool for working with information [2. p. 44].

Information technologies are an integral part of the process of teaching music and related subjects. The use of the possibilities of information technologies allows to increase the effectiveness of learning and mastering in the teaching of music, among other subjects. The development of computer technologies in the field of music is a promising, urgent and objective necessity. Systematic use of information and computer technologies gives students, teachers and researchers the opportunity to more effectively allocate time and realize their creative potential.

Pedagogical goals of using information technologies are as follows: formation of information culture, development of personality, i.e. development of thinking, aesthetic education, development of experimental research skills. In fulfilling the social order: educating the user in general information

(called "computer literacy"), training a specialist in any field; to increase the efficiency and quality of teaching, to provide motivation for knowledge activities, to activate the educational process, which involves the deepening of interdisciplinary relations, through the integration of information and teaching of subjects, etc. [paragraph 3.3.].

Increasing computer literacy among students through various programs, more active assimilation and application of information technologies in professional activities is the demand of the times.

The main goal of using information and communication technologies in music education is to activate the knowledge and creative abilities of students.

The use of information and communication technologies in the education of children through music education also solves a number of important problems:

- increase students' motivation to learn;
- development of students' interest in independent creative activity; activation of students' creative potential;
- increasing students' interest in music culture;
- enriching the methodological possibilities of organizing cooperative activities between teachers and students, giving them a modern level.
- The use of information and communication technologies in the process of musical education and upbringing of students:
 - first of all, it stimulates interest in science, development of thinking, perception and memory;
 - makes learning material easier to understand; expand the conceptual scope of the musical topics covered;

- helps to improve learning material.

The use of information and communication technologies in music education helps to form the skills of active perception of music, enriches the musical experience of children, instills knowledge in them, and in general is an important condition for enriching the musical culture of students.

The use of new information technologies in music education helps to optimize the means, forms and methods of music education, to find reasonable solutions to specific educational problems, to choose appropriate ways to improve the educational process, and to eliminate a number of difficulties that arise in lessons and training. It makes it possible to turn music lessons into a creative lesson by covering its specific aspects. In a broad sense, information technology is the same field for music lessons.

In recent years, the term "information technology" has often become synonymous with the term "computer technology". Most of the technical tools used in the educational process are related to the use of computers. However, the term "information technology" is much broader and includes "computer technology" as a component.

When it comes to the educational system, educational process, informatization, its advantages, this is directly related to the professional training of teachers and pedagogues, general knowledge, skills and qualifications acquired as specialists and pedagogues.

Taking into account the demands placed on teachers, especially musician-pedagogues, on the organization of classes, and taking into account the general analysis of their competencies, some students have obvious shortcomings related to the demands placed on

modern teachers. is being thrown. This is manifested in the preparation for seminars and practical training, as well as in the performance of independent educational tasks. Here, it should be noted that the assignments are aimed at the formation and development of modern music education teachers.

It is impossible to achieve the quality of education, modern classes, and educational goals provided for in the subject, subject, without solving the existing problems of learners. These are problems related to insufficient formation and development of knowledge, skills and competencies related to computer literacy among students. Such problems become an obstacle in improving the quality of music education in fulfilling the goals and tasks of music education.

Organizing modern classes in the educational system, especially in the pedagogical field, is one of the urgent issues. It means that the future teachers of music education need to master the specialized subjects, improve their pedagogical skills, and increase the level of working with a computer. At a glance, it can be seen that all students have a high level of use of modern technical tools and technologies.

However, it is necessary to form, educate and develop the skills and abilities of students to use Internet sites and various computer programs, to search for the necessary information, to work on themselves, to find and process information. After all, it is the demand of the time to improve computer literacy, theoretical and practical mastering of information technologies, and the ability to use them in professional activities among future music education teachers.

It is necessary to follow the following recommendations in forming and developing the skills

of using computer technologies in students, as well as in considering modern classes as a requirement and forming an understanding:

First of all, - regardless of what lesson the students have, at the beginning of the lesson, in the organizational part of the lesson project, about the news, changes in the education system in our country and society, and the modern demands placed on the educational process. It is necessary to regularly familiarize yourself with the Decrees and Decisions of the President of the Republic of Uzbekistan on the education system, to know the Pedagogical obligations and tasks specified in the Law on Education. In addition to getting acquainted with the content of these issued Decrees and Decisions, the need for computer literacy and the use of innovative technologies will be increased by understanding the required approach to the educational system and pedagogical activities;

- the role and importance of innovative pedagogical and technical technologies in the teaching process in the context of the fundamental reforms taking place in the education system, the informatization of education, the advantage of computer technologies in this, the use of interactive methods in education are urgent issues. The student should understand this. After all, in society, a pedagogue is considered a person who ensures the direct execution of Decrees and Decisions related to the educational system of personnel. The fact that our personnel are ready for this means that they must keep pace with the times;

- in the process of mastering subjects, in various forms of training, in particular, in practical training and independent educational tasks, by directing students to more independently perform tasks that must be

performed on the basis of computer technologies. For example: "Creating a modern image of today's music teacher" methods of "Teacher as a personal model" are organized by students in the practical training of the science of innovative technologies in music education, organized in general educational institutions, preschool educational organizations. by preparing a modern project and presentation of a one-hour lesson for music lessons and classes, and by preparing for the lesson. These methods and tasks increase students' need for computer literacy.

ANALYSIS AND RESULTS

In the preparation of future music education teachers for professional activities, it is recommended to use the following programs to develop creativity in innovative approaches to music education: publishing systems, databases, spreadsheets, computer graphics, music editors, programming, creators of multimedia animation applications. the use of programs is intended.

Publishing systems (WinWord, PageMaker, Express Publisher, etc.) - information and educational technology for organizing journalistic and publishing activities of schoolchildren, including publishing design, literary creativity, text typing and editing, its illustration and artistic design, layout modeling.

Databases (dBase, Access, FoxPro, Works, etc.) - a service for creating information storage systems in various disciplines based on data systematization and research, automation of data search and sorting processes according to given criteria does.

Spreadsheets (Excel, SuperCalc, Framework, etc.) is a computer technology that provides students with tools for mathematical modeling of events (processes)

based on automatic recalculation of all data related to graphic representation of information and formula relationships.

Graphic editors (CorelDRAW, Adobe Photoshop, Paint, AutoCAD, etc.) serve as technology for students to perform artistic computer graphics, animation, geometric modeling and design work.

Music editors (Cakewalk Pro, Sibelius, Studio, Sound Forge Rebirth, Audio, etc.), "music theory", "harmony", "polyphony", "note editing", It allows to strengthen, develop and improve skills from "solfeggio", "instrument performance" and other specialized disciplines.

Multimedia technologies (PowerPoint, FrontPage, etc.) are based on the synthesis of various media (text, sound, graphics, animation, video) and provide several channels of information perception. The need for students to create hyperlinks encourages making logical connections between concepts.

The use of multimedia tools, in particular, on the basis of the PowerPoint program, the perfect formation and presentation of one-hour music lessons based on the lesson plan, the diversity of music lessons and activities, the provision of a lot of information on the topic in a short time, and the study of melodies, gives an opportunity to sing, listen, as well as musically and conceptually analyze the artistic content. In addition, listening to music or a video repeatedly arouses the desire to hear, learn, see and listen, it is interesting, it helps to remember the piece of music offered for listening for a long time, and visual perception of the studied objects. allows to achieve. It leads to faster and deeper understanding of the presented material.

Music classes are organized based on types of activities: There are five types of activities in music, and three types of activities: listening to music, singing as a group, and musical literacy are considered important in lessons. This is the uniqueness of music lessons. Each type of activity has its own requirements for organization. Effective use of multimedia tools is a requirement of today's music education.

In musical literacy: division of notes, dynamic signs, alteration signs, measure, tempo, tonalities in the theoretical mastery of musical genres, musical instruments, in distinguishing from each other and showing their characteristics, with composers It is important to introduce and study their creativity based on pedagogical technologies.

To improve the quality of music education by listening to video and audio recordings of examples of musical works when teaching solo and choral songs, orchestral and ensemble performances taught in group singing serves. Between these video and audio recordings, students will get acquainted with the original performance of musical works performed by professional performers (singers and musicians).

In the activity of listening to music, it is important to listen to the works given in the school repertoire and analyze their musical and artistic-ideal content. Students are educated through the ideological content of each song given to listen to music and laugh as a team. (Ethical education, hygienic education, artistic - aesthetic education, ecological education, physical education, cocktail education, etc.).

The most important thing in singing as a group and listening to music is that the live performance of music by the teacher in terms of voice and instrument affects

the students more. However, listening to samples of professional performances of orchestra, ensemble, choir, or music in another language serves as spiritual nourishment in the formation and development of students' musical taste and needs, and in enriching their artistic thinking. In this case, the use of multimedia tools and the use of activities in music lessons make it possible to achieve the goal and result more easily, qualitatively and in a short period of time. Such examples show the advantages of using multimedia tools in music education.

It is worth noting that when using the video fragments in the presentation, taking into account the short time allotted for music lessons, it should be kept as short as possible to give students an opportunity to express their opinions. That is, the video should be accompanied by a series of developmental questions that encourage students to discuss the topic of the video, discuss it with each other, and interpret what the content of the video is about.

CONCLUSIONS AND SUGGESTIONS

In conclusion, an important aspect of forming the skills of using information and communication technologies in preparing students for professional activities is that it gives many positive results in improving the quality of music education, meeting modern requirements, and increasing the interest and activity of the student body, as well as musical informatization of education expands the possibility of improving students' theoretical and practical knowledge, skills and qualifications. It creates interesting, colorful, modern lessons for students, serves as a convenient tool for the teacher to achieve the educational goal and result, as well as to demonstrate his skills, and most importantly, to organize modern lessons in music

education. does. I would like to note the importance and necessity of the use of information technologies in the professional activities of music education teachers and in the organization of quality music lessons. This makes it possible to increase the interest of students in learning, to increase the effectiveness of education, and to develop the child in all aspects.

REFERENCES

1. Law of the Republic of Uzbekistan "On Education", Chapter 5, Article 46. ORQ-637 dated 23.09.2020.
2. Zakharova, I. G. Information technology and education /I. G. Zakharova. - 4th ed., ster. - M.: 2008. - 192 p.
3. Bekenova, D. U. Information technology and musical education / D. U. Bekenova, J. A. Mukhataeva. — Text: neposredstvennyy // Aktualnye zadachi pedagogy: materialy III Mejdunar. Nauch. conf. (Chita, February 2013). — T. o. — Chita: Izdatelstvo Molodoy uchenyy, 2013.
4. A. Kh. Arabbayev "Effectiveness, originality and importance of using information and communication technologies in music lessons today." Academic Research in Educational Sciences VOLUME 2 | ISSUE 10 | 2021.

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