

## THE IMPORTANCE OF INTRODUCING NEW INNOVATIVE INFORMATION TECHNOLOGIES TO MUSIC EDUCATION

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### Annotation

This article discusses the relevance of the introduction of new innovative technologies in music education today, and describes the views and practical tasks on this issue.

### Keywords

computer science, information, music education, music notation, software, community information.

The fact that the means of information technology are increasingly penetrating into all spheres of our society shows that the ability to quickly and efficiently process information is becoming a necessity of life for every young person. The fact that information is becoming a valuable commodity testifies to the growing prestige and importance of computer science.<sup>222</sup>

Information is an important tool for the development of society and the basis for its development. While information is one of the most important economic indicators in the development of society, the computerization of society is the main driving force in the structural reconstruction of the economy.

The term informatization of society was first used by D.Bank and Y.Masudo, and today means a society that is free of contradictions, integrated with electronics, computers, computer science. In a broader sense, in an informed society, the informatization of society is one of the basic laws of social development. This means the introduction of computerized systems and other information technologies as a tool of intellectual labor in all areas of human activity. Thus, "Community Informatization" is understood in a broader sense than "Computerization of Society".<sup>223</sup>

In the twentieth century, as a result of the development of science and technology, technical means have been developed that facilitate human labor,

<sup>222</sup> Информатика ва ҳисоблаш техникаси асослари. 8-синф. 3-бет. 2006 йил.

<sup>223</sup> Информатика ва ҳисоблаш техникаси асослари. 8-синф. 14-бет. 2006 йил

increase labor productivity and provide many conveniences. These include everything from telephones to televisions, from calculators to modern computers, from cars to airplanes. At the same time, there are problems that need to be addressed in the process of effective use of these tools in various areas of human activity<sup>224</sup>.

Today, the introduction of new innovative technologies in the process of music education is one of the urgent tasks.

The relevance of the application of innovative technologies in the educational process in the development of music pedagogy in the country is determined by the tasks of training highly qualified, modern personnel. In this regard, it is important that future educators have high moral and ethical qualities, be able to use new innovative technologies wisely. The art of music should be one of the most effective tools in cultivating such positive qualities in young people.<sup>225</sup>

State standards in music education define the level of knowledge, skills and abilities that students should acquire in accordance with the standards of advanced countries.

The use of advanced technologies in the classroom, the dissemination of advanced work experience, the use of modern methods and techniques serve to improve the quality of education.

The rational use of all advanced experience and innovations in the field of music education, as well as in all disciplines, in line with the new modern requirements, will serve to improve the content and quality of work in this area.<sup>226</sup>

The subjects "Fundamentals of Computer Science and Computer Engineering", "Information Technology", "Computer Science" in secondary schools are aimed at meeting and meeting the general requirements for computer literacy of students. Nowadays, there are programs for writing music on a computer, writing music notes on a computer, arranging on a computer, working on sound. Writing music without notes on a computer, writing music notes on a computer, arranging on a computer, working on sound, studying the created musical works and programs for printing their notes, their application in the educational process remain relevant issues.

Today, the urgency of developing the subject of music pedagogy in the Republic is determined by the tasks of training highly qualified, modern personnel, specified in the Law "On Education", the "National Program of Personnel Training".

<sup>224</sup> Информатика ва ҳисоблаш техникаси асослари. 8-синф. 14-бет. 2006 йил

<sup>225</sup> Музиканинг долзарб назарий муаммолари. Х.Н.Нурматов. Тошкент-2002. 2-бет.

<sup>226</sup> Музиканинг долзарб назарий муаммолари. Х.Н.Нурматов. Тошкент-2002. 13-бет.

In this regard, it is especially important that future teachers, and especially students, have high spiritual and moral qualities. The art of music should be one of the most effective tools in cultivating such positive qualities in young people.<sup>227</sup>

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There are many programs designed to record music on a computer. There are programs that have the ability to record music notes, arrange music, transpose, and more. To master each of them requires time, the required level of musical theoretical knowledge, practical skills and abilities.

Computer music writing programs can be used at all stages of the music education system (preschool, general secondary education, pedagogical colleges, higher education, postgraduate education, advanced training institutes). Especially in the field of music education (team singing and practice, choir conducting, singing, special instruments, additional instruments, practice of working on children's works, music literature, methods of teaching music at school, methods of music education in kindergarten, solfeggio, elementary theory of music, harmony) I think it will be of great importance in increasing the effectiveness of education in teaching. In this process, the principle of "I see, I hear, I perform" will be fully implemented. In the process, the learner's musical abilities of the learner develop in all directions. At the same time, the learner develops the skills, memory, skills and abilities of visual, meaningful musical thinking, auditory analysis, performing in an ensemble with the help of a computer after class.

Computer music writing programs can be used not only by teachers and learners in the classroom, but also in the post-class work process, in the performance skills, in the creation of creative samples and in practice. They will have the opportunity to write and listen to the works they have created, as well as to conduct creative research on the expressiveness and attractiveness of the works. It is necessary and impossible to master all the created programs, because

<sup>227</sup> Музиканинг долзарб назарий муаммолари. Х.Н.Нурматов. Тошкент-2002. 2-бет.

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mastering them takes a lot of time. In practice, I think it is better to use whatever program is convenient.

With the help of Music Notes Editor software you can create notation and sound tests from all disciplines related to music education. These visual and audio tests enhance the quality of assessment of learners' knowledge, skills and competencies such as listening and analysis.

In conclusion, the use of new innovative technologies in the process of music education, the popularization of the results of scientific and practical work on music editor in music education as a teaching aid remains a topical issue.

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