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**МУЗИЧНА ТА ХОРЕОГРАФІЧНА ОСВІТА
В КОНТЕКСТІ КУЛЬТУРНОГО
РОЗВИТКУ СУСПІЛЬСТВА**

**Матеріали і тези X Міжнародної конференції
молодих учених та студентів
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Рецензенти:

Мартинюк Тетяна Володимирівна, доктор мистецтвознавства, професор, завідувач кафедри-професор кафедри мистецьких дисциплін і методик навчання Університету Григорія Сковороди в Переяславі;

Білова Наталія Костянтинівна, кандидат педагогічних наук, професор, професор кафедри музично-інструментальної підготовки Державний заклад «Південноукраїнський національний педагогічний університет імені К.Д.Ушинського».

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deconstruct vocal compositions and understand their intricate elements. Interpretative skills build on this foundation, allowing students to infuse their performance with emotion and authenticity, while communicative skills bring the other two components together, facilitating the effective transfer of knowledge and artistic insight to students. Together, these skills create a comprehensive model for methodological competence that equips future music professionals to excel both as performers and educators.

Enhancing the methodological competence of future bachelors in music arts is essential for their development as both artists and educators. In the field of vocal music, where the interplay of technical skill and emotional expression is paramount, methodological competence provides students with the tools they need to interpret and teach vocal works meaningfully. By fostering analytical, interpretative, and communicative skills, educators can help students approach vocal compositions with a well-rounded perspective that enriches their professional training. Ultimately, methodological competence empowers future music professionals to engage deeply with vocal works, enabling them to communicate the beauty and complexity of music to others with clarity and passion.

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WANG YU

State institution «South Ukrainian National
Pedagogical University named after K. D. Ushynsky»

Nataliia BILOVA, professor;

State institution «South Ukrainian National
Pedagogical University named after K. D. Ushynsky»

PREPARING FUTURE PIANO TEACHERS FOR THE USE OF INNOVATIVE TECHNOLOGIES IN WORKING WITH ART SCHOOL STUDENTS

In an era where technology rapidly transforms education, preparing future piano teachers for technological integration is essential. Art schools, which nurture creative expression, are especially well-suited for adopting innovative tools to enhance traditional teaching methods. As modern learners grow up immersed in

digital media, the need for technology in piano education has become paramount for sustaining student interest, fostering engagement, and developing skills relevant to today's world. Integrating technology not only enriches the learning experience but also provides future piano educators with new methods to adapt teaching styles to diverse learning preferences and levels of proficiency.

The integration of technology in piano education has introduced various tools that enhance both teaching and learning experiences. Digital pianos and apps like Flowkey, Yousician, and Simply Piano provide interactive tutorials, allowing students to practice with immediate feedback and gamified learning modules that boost engagement. Additionally, MIDI (Musical Instrument Digital Interface) keyboards and software allow teachers to illustrate complex concepts visually, making learning more accessible and customizable.

Another valuable technological advancement is virtual reality (VR). With VR, students can experience immersive environments that simulate live performances, providing real-time feedback on technique, posture, and expression. Platforms such as VRpiano are still in their infancy but show great promise in offering experiential learning that prepares students for the dynamics of real performances. Additionally, video analysis tools allow teachers to record and assess students' performances, pinpointing areas for improvement that may be missed in traditional lessons.

To effectively leverage these technologies, future piano teachers must acquire both technical and pedagogical skills. Basic digital literacy is foundational, enabling teachers to operate and troubleshoot tools, navigate software, and utilize online platforms. Knowledge of music-specific software, such as GarageBand for composition or Synthesia for interactive learning, also becomes essential as teachers blend traditional methods with modern aids.

Pedagogically, teachers should develop adaptability to modify their approaches based on the tools at hand. They must learn how to balance technology with personal instruction, ensuring that digital tools complement rather than replace foundational piano techniques and teacher-student interactions. Furthermore, skills in data analysis can be helpful, as many educational technologies provide feedback metrics that teachers can use to track student progress, set goals, and customize lessons.

While the advantages of incorporating technology in piano education are vast, there are challenges. A significant obstacle is the initial cost of equipment and software, which may be prohibitive for some schools and students. To address this, teachers can focus on affordable or free alternatives; many applications offer free versions or trial periods, allowing students to access basic functionalities without financial strain.

Another challenge is the learning curve for both teachers and students, especially for educators who may be less familiar with digital tools. Schools can address this by offering professional development opportunities, including workshops and courses on integrating technology into music education. Peer

mentoring, where experienced educators assist novices, can also provide the support teachers need to confidently use technology in their lessons.

Finally, over-reliance on technology can reduce the emphasis on basic technique and expressive elements that are central to musicality. Teachers should view technology as a complement, using it to reinforce core skills rather than as a substitute. This balance will ensure that technology serves to enhance rather than diminish the richness of piano education.

The use of technology in piano education has shown to significantly improve student engagement. By using interactive apps, students receive real-time feedback and enjoy gamified practice sessions, which increase motivation and make repetitive exercises more appealing. When students engage with technology-based tools, they can also work on skills at their own pace, fostering a sense of autonomy and control over their learning journey.

Furthermore, technology in piano education develops essential skills beyond performance. By engaging with recording software, students learn to evaluate their progress critically, which promotes self-reflection and the ability to set personal improvement goals. VR and simulation tools introduce students to the emotional and technical dynamics of live performance, an invaluable experience for art school students who aspire to perform professionally.

Preparing future piano teachers to integrate innovative technologies is vital for the evolution of piano education, especially in art school settings. Technologies enhance both the teaching and learning experience, making lessons more engaging and accessible. However, it is essential that educators balance these tools with traditional instruction, ensuring they complement rather than replace core teaching methods. As educators adapt to new technological advancements, they also acquire skills that are crucial for their professional growth, including digital literacy, adaptability, and data analysis. Ultimately, by integrating technology thoughtfully, future piano teachers can better equip students with the skills and engagement needed for success in the modern world of music education.

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WANG ZHIYU

State institution «South Ukrainian National
Pedagogical University named after K. D. Ushynsky»

Alla LYNENKO

State institution «South Ukrainian National, professor
Pedagogical University named after K. D. Ushynsky»

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