

**MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE**  
**H.S. Skovoroda Kharkiv National Pedagogical University**  
**SSI “Institute of Education Content Modernization” (Ukraine)**  
**Babeş-Bolyai University (Romania)**  
**Ludwigsburg University of Education (Germany)**  
**Mid-West State University – UNICENTRO (Brazil)**  
**Northeastern University of Boston (the USA)**  
**Sinop University (Turkey)**

# **CONFERENCE PROCEEDINGS**

**IV International Scientific and  
Practical Conference**

## **EUROPEAN STUDIES. LEARNING AND TEACHING: IN THE WORLD OF TECHNOLOGIES**

»  
**Kharkiv,  
Ukraine –  
Cluj-Napoca,  
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**To the 80th Anniversary of the  
University Being Named after H. S. Skovoroda**

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(Kharkiv, Ukraine – Cluj-Napoca, Romania)

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### **MOBILE APPLICATIONS AS A TOOL FOR DEVELOPING DIGITAL LITERACY IN PRIMARY SCHOOL STUDENTS**

In today's information society, digital technologies have become an integral part of everyday life. From an early age, children actively interact with gadgets such as smartphones, tablets, and computers, which serve not only as means of entertainment but also as effective tools for exploring the world. In this context, the development of digital literacy – the ability to use modern digital technologies safely, consciously, and effectively – becomes particularly important. It is advisable to begin this process in primary school, when the foundations of learning and a child's worldview are being formed.

One of the most effective means of developing digital skills in younger students is the use of mobile applications in the educational process. These applications combine educational functions, gaming elements, and opportunities for interactive engagement, making the learning process interesting, accessible, and comprehensible for students. Through mobile technologies, primary school pupils not only acquire new knowledge but also develop logical thinking, attention, memory, communication skills, and creativity.

An important advantage of mobile applications is that they stimulate cognitive activity in younger students, promote independence, and help develop self-control skills. Students can work at their own pace, review material at a convenient time, receive instant feedback, and monitor their progress. This creates positive motivation for learning and increases self-confidence.

Among the mobile applications that effectively contribute to the development of digital literacy in primary school students are Kahoot!, Quizizz, ABCmouse, Duolingo Kids, ScratchJr, and CodeSpark Academy. Such programs provide opportunities for interactive learning: children complete tasks, create their own mini-projects, compete with classmates, and earn points, badges, or rewards. The game-based format helps them master the material more effectively without overload and maintain their interest in learning.

In addition, mobile applications play an important role in fostering safe online behavior. Through educational games and interactive tasks, younger students learn how to protect personal information, distinguish between reliable and false information, and avoid inappropriate content. This form of game-based learning helps children naturally absorb the rules of digital safety.

Teachers play a key role in developing digital literacy by teaching students to use technologies safely and ethically and by encouraging them to engage with educational resources.

Thus, mobile applications are a powerful means of developing digital literacy among primary school students. They make learning engaging, modern, and effective, foster a responsible attitude toward the digital world, and prepare children for life in a society where technology plays a leading role.

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