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Legal Tech, Education and Digital Transformation of Law

Digital Challenges in Education

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Abstract

Digital technology is transforming education, presenting both opportunities and challenges. This presentation explores five main problems related to digital challenges in education, including access and equity, digital literacy and skills, online learning and assessment, digital citizenship and ethics, and technology integration and innovation, and potential decisions that can be made to address them. Drawing on the perspectives of ten scholars and global educational practices, this presentation aims to contribute to the responsible and effective integration of digital technology in education.

Keywords: Digital Technology, Digital Literacy, Online Learning, Digital Citizenship, Ethics

Digital technology is rapidly transforming education, providing new opportunities for learning and teaching, but also posing challenges. This presentation explores five main problems related to digital challenges in education, and potential decisions that can be made to address them. Access and Equity, the first problem related to digital challenges in education is access and equity. Digital technology can exacerbate existing disparities in access to education and resources. Students from low-income families, rural areas, and marginalized communities may not have equal access to digital technology and resources (Warschauer & Matuchniak, 2010). To address this problem, educators and policymakers should

develop strategies to provide equitable access to digital technology and resources (Crompton, 2019).

Digital Literacy and Skills, the second problem related to digital challenges in education is digital literacy and skills. Digital technology requires new skills and literacies, including critical thinking, media literacy, and online safety (Hobbs, 2010). However, many students and educators lack the necessary skills and training to effectively use digital technology in the classroom (O'Dwyer, Russell, & Bebell, 2004). To address this problem, educators and policymakers should provide training and resources to develop digital literacy and skills (Bawden, 2008). Online Learning and Assessment, the third problem related to digital challenges in education is online learning and assessment. Digital technology enables online learning and assessment, but it also raises questions about the effectiveness and fairness of online learning and assessment (Ertmer & Ottenbreit-Leftwich, 2010). To address this problem, educators and policymakers should develop strategies to ensure the effectiveness and fairness of online learning and assessment (Tallent-Runnels et al., 2006).

Digital Citizenship and Ethics, the fourth problem related to digital challenges in education is digital citizenship and ethics. Digital technology raises ethical and social issues, such as cyber-bullying, online privacy, and digital rights (Ribble, Bailey, & Ross, 2004). To address this problem, educators and policymakers should develop strategies to promote digital citizenship and ethics education (Ribble, 2015). Technology Integration and Innovation, the fifth problem related to digital challenges in education is technology integration and

innovation. Digital technology provides opportunities for innovation and creativity, but it also poses challenges for educators and policymakers in terms of selecting and integrating appropriate technologies (Ertmer & Ottenbreit-Leftwich, 2010). To address this problem, educators and policymakers should develop strategies to promote technology integration and innovation in education (Mishra & Koehler, 2006).

Conclusion

Digital technology poses both opportunities and challenges for education. To address the five main problems related to digital challenges in education, educators and policymakers should develop strategies to provide equitable access to digital technology and resources, promote digital literacy and skills, ensure the effectiveness and fairness of online learning and assessment, promote digital citizenship and ethics education, and promote technology integration and innovation in education.

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