



TOPIC 5

REVIEWING EDUCATIONAL TECHNOLOGIES ON DATA PRIVACY AND SAFETY ISSUES



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Reviewing educational technologies on data privacy and safety issues

Topic	Reviewing educational technologies on data privacy and safety issues
Description of the topic	The rapid adoption of educational technologies (EdTech) in schools and institutions has transformed teaching and learning experiences. However, it has also introduced significant challenges related to data privacy and safety. This topic focuses on identifying, assessing, and mitigating risks associated with the use of digital tools and platforms in education. By fostering education and awareness around data privacy and safety, schools and institutions can make informed decisions about integrating technology while prioritising the protection of their community's data.
Title of tool	"UNESCO's Guidance on Data Privacy in Online Learning"
Link to the tool	https://iite.unesco.org/publications/personal-data-and-privacy-protection-in-online-learning/
About the tool	UNESCO offers a comprehensive handbook titled "Personal Data and Privacy Protection in Online Learning: Guidance for Students, Teachers and Parents." This resource provides strategies to safeguard personal information before, during, and after online learning sessions.

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Title of tool	"iKeepSafe's Data Privacy Curriculum"
Link to the tool	https://ikeepsafe.org/content/uploads/2017/09/Data-Privacy-in-Education-Full-Curriculum-2017.pdf
About the tool	The Internet Keep Safe Coalition (iKeepSafe) has developed a curriculum focused on data privacy in education. It addresses concerns related to the use of educational technologies and offers guidance on protecting student personal information.

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Title of tool	"SPADATAS Project"
Link to the tool	https://link.springer.com/chapter/10.1007/978-3-031-34411-4_1
About the tool	The SPADATAS project aims to raise awareness about data fragility in educational settings. It provides tools and frameworks to protect the privacy, security, and confidentiality of student data, helping schools understand the implications of data-driven decision-making.

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Title of tool	"eLearning Industry's Article on Data Privacy"
Link to the tool	https://elearningindustry.com/safeguarding-data-privacy-and-security-in-elearning
About the tool	An article titled "Safeguarding Data Privacy and Security in eLearning" discusses the importance of data privacy in eLearning platforms. It outlines steps and best practices to ensure the safety and integrity of these platforms.

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Title of tool	"Common Sense Media's Evaluation of EdTech Platforms"
Link to the tool	https://www.boell.de/en/2021/04/15/privacy-is-key-holding-edtech-accountable
About the tool	Common Sense Media evaluates popular EdTech platforms concerning security and the protection of students' right to privacy. Their insights help educators and parents make informed decisions about the tools they use.

Section	Description
Module Title	Ensuring Data Privacy and Safety in Educational Technologies
Overview of the topic	As educational technologies become more integrated into learning environments, understanding data privacy and safety is essential to protect learners' sensitive information and comply with legal standards. This module emphasizes the importance of identifying and addressing privacy concerns in educational tools.
Objective	By the end of this module, participants will be able to: Evaluate the data privacy and safety features of various educational technologies. Apply relevant regulations, such as GDPR, to ensure compliance in educational settings. Implement best practices to safeguard learners' data and foster trust in the use of digital tools.
Relevant Regulations/Standards	General Data Protection Regulation (GDPR): Establishes guidelines for data collection, processing, and storage, particularly focusing on educational data security. ISO/IEC 27001: An international standard for information security management systems, offering a framework for managing data safety in digital tools.
Implications for Adult Education	Educational technologies offer opportunities for dynamic and personalized learning in adult education. However, educators must navigate privacy concerns, ensure informed consent, and integrate

	practices that promote digital literacy among adult learners to maintain trust and compliance.
Activities/Exercises	<p>Privacy Risk Analysis Exercise: Educators assess a specific educational tool, identify potential privacy risks, and suggest mitigations. Example prompts: "Does this tool collect unnecessary personal information? How are learners' data stored and shared?"</p> <p>Case Study Discussion: Analyze a real-life example of a data breach in education and discuss how it could have been prevented.</p>
Methodological Guidance	<p>Encourage open discussions about the balance between technological benefits and privacy concerns. Use visual aids (e.g., infographics) to simplify complex regulations for learners. Provide real-world scenarios to connect theoretical knowledge to practical applications.</p>
Explanatory Notes	<p>Data Breach: A security incident where sensitive information is accessed without authorization. Informed Consent: Ensuring learners understand and agree to the data collection practices before using the technology.</p>
Definitions and Key Terms	<p>GDPR (General Data Protection Regulation): European Union regulation for data protection and privacy. Data Encryption: A method to secure information by converting it into a code to prevent unauthorized access. Phishing: A cyberattack that tricks individuals into providing personal information.</p>
Examples/Case Studies	<p>Case Study: An adult education center adopted a learning management system (LMS) without reviewing its data-sharing policies. After a data breach exposed learners' personal details, the institution faced legal action and lost learners' trust. This illustrates the need for thorough technology vetting and compliance checks.</p>