Online safety: Digital Technologies

Digital Technologies

The Australian Curriculum: Digital Technologies can provide students with practical opportunities to develop design thinking skills. When working with and building digital systems, the design thinking process places the user and their safety at the forefront of the design. The subject helps students to become innovative creators of digital solutions, effective users of digital systems, and critical consumers of information conveyed by digital systems. Digital Technologies delivers authentic learning challenges that foster curiosity, confidence, persistence, innovation, creativity, respect and cooperation. These qualities, supported by appropriate online behaviour, enrich the development of information systems to make sense of complex ideas and relationships.

Digital Technologies requires the communication and the collaboration of local, regional and global citizens who are capable of actively and ethically communicating and collaborating. Online safety awareness assists students to identify risks, social contexts and legal responsibilities when engaging online. At the same time, Safety by Design principles place the safety and rights of users at the centre of the design, development and deployment of digital technologies. Authentic consultation, typically in groups throughout the design process, encourages students to build empathy, develop respectful relationships and conflict management skills, and ensure that digital solutions are appropriate. The Digital Technologies curriculum is designed for students from Foundation to Year 8. This subject is offered as an elective to students In Years 9 and 10.

Website links

Personal Information - protection

https://www.esafety.gov.au/educators/classroom-resources/hectors-world/your-personal-information-online (Lower Primary)

Online interactions https://www.esafety.gov.au/educators/classroom-resources/gameon

Be eSafe https://www.esafety.gov.au/kids/be-an-esafe-kid/sharing-my-personal-information-online (Lower Primary)

Be Secure https://www.esafety.gov.au/educators/classroom-resources/be-secure (Lower/middle Primary)

Strong passwords

https://www.esafety.gov.au/educators/classroom-resources/hectors-world/computer-security (Lower Primary)

Lost Summer https://www.esafety.gov.au/educators/classroom-resources/lost-summer (Upper Primary/Lower Secondary)

YeS Project https://www.esafety.gov.au/educators/classroom-resources/yes-project (Secondary)

- Workshops 2, 3, 7, 8 and 9

Virtual Classroom https://www.esafety.gov.au/educators/virtual-classrooms

https://www.esafety.gov.au/sites/default/files/Keep_It_Sweet (Lower Primary)

Digital Footprint https://vimeo.com/268340563

Values, rights and responsibilities

Digital Technologies - Years 5 and 6

Content descriptions with elaborations:
Plan, create and communicate ideas and information, including collaboratively online, applying agreed ethical, social and technical protocols (ACTDIP022)

- applying practices that support the organisation of collaborative problem-solving, for example finding online meeting times that suit all members, and agreeing on ways of protecting files and sharing information digitally with members
- applying safe practices while participating in online environments, for example checking the default privacy settings to ensure maximum protection of personal details, being aware of online filtering techniques and policies used at schools and at home
- considering ways of managing the use of social media to maintain privacy needs, for example activating privacy settings to avoid divulging personal data such as photographs, addresses and names
- developing a set of 'rules' about appropriate conduct, language and content when communicating online, and using these rules as a basis for resolving ethical dilemmas
- using digital systems to create web-based information taking into consideration referencing conventions, for example creating a blog, website or online learning space for sharing ideas
- using a range of communication tools to share ideas and information, for example participating in collaborative online environments

Respectful relationships

Digital Technologies - Years 5 and 6

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Digital media literacy

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Informed and safe use of information and devices

Digital Technologies - Years 5 and 6

Content descriptions with elaborations:
Explain how student solutions and existing information systems are sustainable and meet current and future local community needs (ACTDIP021)

- exploring the ethics and impact of management practices on the use of communication networks, for example internet censorship from a local, national and global perspective and the impact on freedom of access and expression

Plan, create and communicate ideas and information, including collaboratively online, applying agreed ethical, social and technical protocols (ACTDIP022)

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- using a range of communication tools to share ideas and information, for example participating in collaborative online environments