

Australian Curriculum ICT Capability Learning Continuum

	Level 1 - Typically by the end of Foundation Year, students:	Level 2 - Typically by the end of Year 2, students:	Level 3 - Typically by the end of Year 4, students:	Level 4 - Typically by the end of Year 6, students:	Level 5 - Typically by the end of Year 8, students:	Level 6 - Typically by the end of Year 10, students:
Applying social & ethical protocols & practices when using ICT	Recognise intellectual property					
	recognise ownership over their own digital work	recognise ownership of digital products that others produce & that what they create or provide can be used or misused by others	acknowledge when they use digital products created by someone else, & start to indicate the source	identify the legal obligations regarding the ownership & use of digital products & apply some referencing conventions	apply practices that comply with legal obligations regarding the ownership & use of digital products resources	identify & describe ethical dilemmas & consciously apply practices that protect intellectual property
	Apply digital information security practices					
	follow class rules about using digital information	follow class rules about applying selected standard guidelines & techniques to secure digital information	independently apply standard guidelines & techniques for particular digital systems to secure digital information	identify the legal obligations regarding the ownership & use of digital products & apply some referencing conventions	apply practices that comply with legal obligations regarding the ownership & use of digital products resources	identify & describe ethical dilemmas & consciously apply practices that protect intellectual property
	Apply personal security protocols					
	follow class rules when sharing personal information with known audiences & demonstrate an awareness of applying social protocols when using ICT to communicate	follow class guidelines when sharing personal information & apply basic social protocols when using ICT to communicate with known audiences	apply standard guidelines & take action to avoid the common dangers to personal security when using ICT & apply appropriate basic social protocols when using ICT to communicate with unknown audiences	identify the risks to identity, privacy & emotional safety for themselves when using ICT & apply generally accepted social protocols when sharing information in online environments, taking into account different social & cultural contexts	identify & value the rights to identity, privacy & emotional safety for themselves & others when using ICT & apply generally accepted social protocols when using ICT to collaborate with local & global communities	independently apply appropriate strategies to protect rights, identity, privacy & emotional safety of others when using ICT, & discriminate between protocols suitable for different communication tools when collaborating with local & global communities
Identify the impacts of ICT in society						
identify how they use ICT in multiple ways on multiple devices	identify how ICT is used at home & at school	identify the value & role of ICT use at home & school	explain the main uses of ICT at school, home & in the local community, & recognise its potential positive & negative impacts on their lives	explain the benefits & risks of the use of ICT for particular people in work & home environments	assess the impact of ICT in the workplace & in society, & speculate on its role in the future & how they can influence its use	
Investigating with ICT	Define & plan information searches					
	use ICT to identify where information is located	use ICT to identify, record & classify textual & graphic information to show what is known & what needs to be investigated	use ICT to plan an information search or generation of information, recognising some pattern within the information,	use a range of ICT to identify & represent patterns in sets of information & to pose questions to guide searching for, or generating, further information	use a range of ICT to analyse information in terms of implicit patterns & structures as a basis to plan an information search or generation	select & use a range of ICT independently & collaboratively, analyse information to frame questions & plan search strategies or data generation
Locate, generate & access data & information						
use icons to locate or generate required information	locate information from a given set of digital sources	locate, retrieve or generate information from a range of digital sources	locate, retrieve or generate information using search engines & simple search functions & classify information in meaningful ways	locate, retrieve or generate information using search facilities & organise information in meaningful ways	use advanced search tools & techniques or simulations & digital models to locate or generate precise data & information that supports the development of new understandings	

	Select & evaluate data & information					
	explain how located data or information was used	explain the usefulness of located data or information	explain why located data or information was selected	assess the suitability of data or information using a range of appropriate given criteria	assess the suitability of data or information using appropriate own criteria	develop & use criteria systematically to evaluate the quality, suitability & credibility of located data or information & sources
Creating with ICT	Generate ideas, plans & processes					
	use ICT to follow or contribute to a simple plan for a solution	use ICT to prepare simple plans to find solutions or answers to questions	use ICT to generate ideas & plan solutions	use ICT effectively to record ideas, represent thinking & plan solutions	use appropriate ICT to collaboratively generate ideas & develop plans	select & use ICT to articulate ideas & concepts, & plan the development of complex solutions
	Generate solutions to challenges & learning area tasks					
	use ICT as a creative tool to generate simple solutions, modifications or data representations for personal or school purposes	experiment with ICT as a creative tool to generate simple solutions, modifications or data representations for particular audiences or purposes	create & modify simple digital solutions, creative outputs or data representation/transformation for particular purposes	independently or collaboratively create & modify digital solutions, creative outputs or data representation/transformation for particular audiences & purposes	design & modify simple digital solutions, or multimodal creative outputs or data transformations for particular audiences & purposes following recognised conventions	Design, modify & manage complex digital solutions, or multimodal creative outputs or data transformations for a range of audiences & purposes
Communicating with ICT	Collaborate, share & exchange					
	use purposefully selected ICT tools safely to view information shared by trusted adults	use purposefully selected ICT tools safely to share & exchange information with appropriate local audiences	use appropriate ICT tools safely to share & exchange information with appropriate known audiences	select & use appropriate ICT tools safely to share & exchange information & to safely collaborate with others	select & use appropriate ICT tools safely to lead groups in sharing & exchanging information, & taking part in online projects or active collaborations with appropriate global audiences	select & use a range of ICT tools efficiently & safely to share & exchange information, & to collaboratively & purposefully construct knowledge
	Understand computer mediated communications					
	understand that messages are recorded, viewed or sent in computer mediated communications for others to receive	understand that computer mediated communications may be received later by the receiver	understand that computer mediated communications are directed to an audience for a purpose	understand that particular forms of computer mediated communications & tools are suited to synchronous or asynchronous & one-to-one or group communications	understand that there are various methods of collaboration through computer mediated communications that vary in form & control	understand that computer mediated communications have advantages & disadvantages in supporting active participation in a community of practice & the management of collaboration on digital materials
Managing & operating ICT	Select & use hardware & software					
	identify & safely operate ICT systems to complete relevant simple specified tasks & seek help when encountering a problem	identify & safely operate a selected range of appropriate devices, software, functions & commands when operating an ICT system & attempt to solve a problem before seeking help	identify & independently operate a range of devices, software, functions & commands, taking into consideration ergonomics when operating appropriate ICT systems, & seek solutions when encountering a problem	select from, & safely operate, a range of devices to undertake specific tasks & use basic troubleshooting procedures to solve routine malfunctions	independently select & operate a range of devices by adjusting relevant software functions to suit specific tasks, & independently use common troubleshooting procedures to solve routine malfunctions	justify the selection of, & optimise the operation of, a selected range of devices & software functions to complete specific tasks, for different purposes & in different social contexts
	Understand ICT systems					
	identify common consumer ICT systems with input & output functions	identify the main components of common consumer ICT systems, their	identify & compare the use of the main components of different ICT systems	identify, compare & classify basic ICT system components	identify & compare networked ICT system components including	apply an understanding of networked ICT system components to make

		fundamental functions, & describe them using basic ICT terminology			between hardware, software & data	changes to functions, processes, procedures & devices to fit the purpose of the solutions
Manage digital data						
	save & retrieve digital data with support	manage & maintain digital data with guidance	manage & maintain digital data using common methods	manage & maintain data on different storage mediums – locally & on networks	manage & maintain data for groups of users using a variety of methods & systems	manage & maintain data securely in a variety of storage mediums & formats