

Content Descriptions

Australian Curriculum Levels F-2	Western Australian Year 1 Syllabus
Digital systems	Digital systems
Recognise and explore digital systems hardware and software components for a purpose (ACTDIK001)	Digital systems (hardware and software) are used in everyday life and have specific features (ACTDIK001)
Representation of data	Representation of data
Recognise and explore patterns in data and represent data as pictures, symbols and diagrams (ACTDIK002)	Data can have patterns and can be represented as pictures, symbols and diagrams (ACTDIK002)
Collecting, managing and analysing data	Collecting, managing and analysing data
Collect, explore and sort data, and use digital systems to present the data creatively (ACTDIP003)	Present data of any kind using a variety of digital tools (ACTDIP003)
	Digital implementation
	Use data to solve a simple task/problem (ACTDIP003)
Investigating and defining	Investigating and defining
Following, describe and represent a sequence of steps and decisions (algorithms) needed to solve simple problems (ACTDIP004)	Explore opportunities for design (WATPPS06)
Generating and designing	Designing
Explore how people safely use common information systems to meet information, communication and recreation needs (ACTDIP005)	Develop and communicate design ideas through describing, drawing, modelling and/or a sequence of written or spoken steps (WATPPS07)
	Producing and implementing
	Use given components and equipment to safely make solutions (WATPPS08)
Evaluating	Evaluating
	Use personal preferences to evaluate the success of design processes (WATPPS09)
Collaborating and managing	Collaborating and managing
Create and organise ideas and information using information systems independently and with others, and share them with known people in safe online environments (ACTDIP006)	Work independently, or with others when required, to create and safely share sequenced steps for solutions (WATPPS10)
	Digital implementation
	Share and publish information with known people in an online environment, modelling strategies to stay safe online (ACTDIP006)

Achievement Standards

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<p>By the end of Year 2, students identify how common digital systems (hardware and software) are used to meet specific purposes. They use digital systems to represent simple patterns in data in different ways.</p> <p>Students design solutions to simple problems using a sequence of steps and decisions. They collect familiar data and display them to convey meaning. They create and organise ideas and information using information systems, and share information in safe online environments.</p>	<p>At Standard, students identify specific features of digital systems (hardware and software) and where they are used in everyday life. They represent data using pictures, symbols and diagrams. Students follow strategies to stay safe online while they select and use a variety of digital tools to present information in an online environment.</p> <p>In Digital Technologies, students explore opportunities when designing products or solutions. They develop and communicate design ideas through describing, drawing, modelling and/or a sequence of written or spoken steps. Students use given components and equipment and work safely to make solutions. They develop personal preferences to evaluate the success of design processes. Students work independently, or with others, to safely create and share sequenced steps for solutions.</p>

