

Content Descriptions

Australian Curriculum Levels F-2	Western Australian Year 2 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 and used to make simple conclusions (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 using a variety of digital (ACTDIP003)
	Digital implementation
	Use data to solve similar tasks/problems (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 design to meet needs or opportunities (WATPPS11)
Generating and designing	Designing
Explore how people safely use common information systems to meet information, communication and recreation needs (ACTDIP005)	Develop, communicate and discuss design ideas through describing, drawing, modelling and/or a sequence of steps (WATPPS12)
Evaluating	Producing and implementing
	Use components and given equipment to safely make solutions (WATPPS13)
	Evaluating
	Use simple criteria to evaluate the success of design processes and solutions (WATPPS14)
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 collaboratively when required, to organise information and ideas to create and safely share sequenced steps for solutions (WATPPS15)
	Digital implementation
	Share and publish information in a safe online environment, with known people (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 use digital systems for a specific purpose making connections between software and hardware. They identify patterns within data to make simple conclusions. Students select, present and use data using a variety of digital tools in an online environment.</p> <p>In Digital Technologies, students explore design to meet needs or opportunities. They develop, communicate and discuss design ideas through describing, drawing, modelling and/or sequenced steps. Students use components and given equipment to safely make solutions. They use simple criteria to evaluate the success of design processes and solutions. Students work independently, or collaboratively, to organise information and ideas to safely create and share sequenced steps for solutions.</p>