

Content Descriptions

Australian Curriculum Level 3-4	Western Australian Year 3 Syllabus
Digital systems	Digital systems
Identify and explore a range of digital systems with peripheral devices for different purposes, and transmit different types of data (ACTDIK007)	Digital systems and peripheral devices are used for different purposes (ACTDIK007)
Representation of data	Representation of data
Recognise different types of data and explore how the same data can be represented in different ways (ACTDIK008)	Different types of data can be represented in different ways (ACTDIK08)
Collecting, managing and analysing data	Collecting, managing and analysing data
Collect, access and present different types of data using simple software to create information and solve problems (ACTDIP009)	Collect and present different types of data using simple software to create useful information (ACTDIP009)
Investigating and defining	Investigating and defining
Define simple problems, and describe and follow a sequence of steps and decisions (algorithms) needed to solve them (ACTDIP010)	Create a sequence of steps to solve a given task (WATPPS16)
Generating and designing	Designing
	Develop and communicate ideas using labelled drawings and appropriate technical terms (WATPPS17)
Producing and implementing	Producing and implementing
Implement simple digital solutions as visual programs with algorithms involving branching (decisions) and user input (ACTDIP011)	Select, and safely use, appropriate components with given equipment to make a solution (WATPPS18)
	Digital implementation
	Use visually represented sequenced steps (algorithms), including steps with decisions made by the user (branching) (ACTDIP011)
Evaluating	Evaluating
Explain how student solutions and existing information systems meet common personal, school or community needs (ACTDIP012)	Use criteria to evaluate design processes and solutions developed (WATPPS19)
Collaborating and managing	Collaborating and managing
Plan, create and communicate ideas and information independently and with others, applying agreed ethical and social protocols (ACTDIP013)	Work independently, or collaboratively when required, to plan, create and communicate sequenced steps (WATPPS20)
	Digital implementation
	Create and communicate ideas and information safely (ACTDIP013)

Achievement Standards

Australian Curriculum Level 3-4	Western Australian Year 3 Syllabus
<p>By the end of Year 4, students describe how a range of digital systems (hardware and software) and their peripheral devices can be used for different purposes. They explain how the same data sets can be represented in different ways. Students define simple problems, design and implement digital solutions using algorithms that involve decision-making and user input. They explain how the solutions meet their purposes. They collect and manipulate different data when creating information and digital solutions. They safely use and manage information systems for identified needs using agreed protocols and describe how information systems are used.</p>	<p>At Standard, students explore and recognise some differences and the purpose of digital systems and peripheral devices and present data in a variety of ways. Students develop ideas with sequenced steps (algorithms) and branching, using simple software to collect and present data. They work with others to create and communicate ideas and information.</p> <p>In Digital Technologies, students create sequenced steps (algorithms) to solve a given digital task. They develop and communicate ideas using labelled drawings and appropriate technical terms. Students select and safely use appropriate components with given equipment to make a solution. They use criteria to evaluate design processes and solutions developed. Students work independently, or collaboratively, to plan, safely create and communicate sequenced steps.</p>

