

Content Descriptions and Outcomes

Australian Curriculum Levels 3-4	Victorian Curriculum Levels 3-4
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)	Explore a range of digital systems with peripheral devices for different purposes, and transmit different types of data (VCDTDS019)
Representation of Data	Data and Information
Recognise different types of data and explore how the same data can be represented in different ways (ACTDIK008)	Recognise different types of data and explore how the same data can be represented in different ways (VCDTDI020)
Collecting, Managing and Analysing Data	Data and Information
Collect, access and present different types of data using simple software to create information and solve problems (ACTDIP009)	Collect, access and present different types of data using simple software to create information and solve problems (VCDTDI021)
Investigating and Defining	Creating Digital Solutions
Define simple problems, and describe and follow a sequence of steps and decisions (algorithms) needed to solve them (ACTDIP010)	Define simple problems, and describe and follow a sequence of steps and decisions involving branching and user input (algorithms) needed to solve them (VCDTCD023)
Producing and Implementing	Creating Digital Solutions
Implement simple digital solutions as visual programs with algorithms involving branching (decisions) and user input (ACTDIP011)	Develop simple solutions as visual programs (VCDTCD024)
Evaluating	Creating Digital Solutions
Explain how student solutions and existing information systems meet common personal, school or community needs (ACTDIP012)	Explain how student-developed solutions and existing information systems meet common personal, school or community needs (VCDTCD025)
Collaborating and Managing	Data and Information
Plan, create and communicate ideas and information independently and with others, applying agreed ethical and social protocols (ACTDIP013)	Individually and with others, plan, create and communicate ideas and information safely, applying agreed ethical and social protocols (VCDTDI022)

Achievement Standards

Australian Curriculum Levels 3-4	Victorian Curriculum Levels 3-4
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.	By the end of Level 4, students describe how a range of digital systems and their peripheral devices can be used for different purposes. Students explain how the same data sets can be represented in different ways. They collect and manipulate different data when creating information and digital solutions. They plan and safely use information systems when creating and communicating ideas and information, applying agreed protocols. Students define simple problems, and design and develop digital solutions using algorithms that involve decision-making and user input. They explain how their developed solutions and existing information systems meet their purposes.