

Levels 3 & 4 Overview of units

We note that some curriculum content descriptors are not addressed in this overview at the time of publishing. School snapshots for the case studies project are classified on a spectrum from "starting out" to "consolidating practices".



	Unit 1	Unit 2
Title / theme	Hardwired	Hardwired 2
Summary / intention	To understand digital system components and peripheral devices can be used to perform input, output and storage functions. To understand how data can be collected, accessed and presented using simple software to create information and solve problems.	To understand how a micro:bit acts like a mini computer.
Approximate number of hours	4	4
Assessment piece or pieces		
Hardware and software tools used		

Curriculum Content Descriptions addressed:

DIGITAL SYSTEMS

VCDTDS019: Explore a range of digital systems with peripheral devices for different purposes, and transmit different types of data

DATA AND INFORMATION

VCDTDI020: Recognise different types of data and explore how the same data can be represented in different ways

VCDTDI021: Collect, access and present different types of data using simple software to create information and solve problems

VCDTDI022: Individually and with others, plan, create and communicate ideas and information safely, applying agreed ethical and social protocols

CREATING DIGITAL SOLUTIONS

VCDTCD023: Define simple problems, and describe and follow a sequence of steps and decisions involving branching and user input (algorithms) needed to solve them

VCDTCD024: Develop simple solutions as visual programs

VCDTCD025: Explain how student-developed solutions and existing information systems meet common personal, school or community needs

DIGITAL SYSTEMS

VCDTDS019

DATA AND INFORMATION

VCDTDI020

VCDTDI021

VCDTDI022

CREATING DIGITAL SOLUTIONS

VCDTCD023

VCDTCD024

VCDTCD025

DIGITAL SYSTEMS

VCDTDS019

DATA AND INFORMATION

VCDTDI020

VCDTDI021

VCDTDI022

CREATING DIGITAL SOLUTIONS

VCDTCD023

VCDTCD024

VCDTCD025

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