

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 A	Unit B	Unit C	Unit D
Title / theme	Rate Your Mates	3D Gaming	Intro to Scratch	Crossy Road
Summary / intention	Students use the micro:bit to create a friendship rating generator which rates their friendship out of 100%.	Students design and create a multi level 3D maze game.	Students create a sequence of mini projects in Scratch before designing their own simple game.	Students recreate the game, 'Crossy Road' using the coding app Hopscotch.
Approximate number of hours	8	8	8	10
Assessment piece or pieces	Series of tasks, completed code	Project – 3D game and planning documents	Project – Simple game design and code	Project – Crossy Road Game
Hardware and software tools used	BBC Microbit Microsoft Make Code	Laptop Purple Mash 2DIY3D	Laptop Scratch	iPads Hopscotch App
Curriculum Content Descriptions addressed:	<p>DIGITAL SYSTEMS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> VCDTDS019 <p>DATA AND INFORMATION</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDI020 <input type="checkbox"/> VCDTDI021 <input type="checkbox"/> VCDTDI022 <p>CREATING DIGITAL SOLUTIONS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> VCDTCD023 <input checked="" type="checkbox"/> VCDTCD024 <input type="checkbox"/> VCDTCD025 	<p>DIGITAL SYSTEMS</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDS019 <p>DATA AND INFORMATION</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDI020 <input type="checkbox"/> VCDTDI021 <input checked="" type="checkbox"/> VCDTDI022 <p>CREATING DIGITAL SOLUTIONS</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTCD023 <input checked="" type="checkbox"/> VCDTCD024 <input checked="" type="checkbox"/> VCDTCD025 	<p>DIGITAL SYSTEMS</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDS019 <p>DATA AND INFORMATION</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDI020 <input type="checkbox"/> VCDTDI021 <input type="checkbox"/> VCDTDI022 <p>CREATING DIGITAL SOLUTIONS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> VCDTCD023 <input checked="" type="checkbox"/> VCDTCD024 <input type="checkbox"/> VCDTCD025 	<p>DIGITAL SYSTEMS</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDS019 <p>DATA AND INFORMATION</p> <ul style="list-style-type: none"> <input type="checkbox"/> VCDTDI020 <input type="checkbox"/> VCDTDI021 <input type="checkbox"/> VCDTDI022 <p>CREATING DIGITAL SOLUTIONS</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> VCDTCD023 <input checked="" type="checkbox"/> VCDTCD024 <input type="checkbox"/> VCDTCD025

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