



# Teach Computing – Unit Summaries

## Unit summaries

	Computing systems and networks	Creating media	Programming A	Data and information	Creating media	Programming B
Year 3	<p><b>Connecting computers</b> Identifying that digital devices have inputs, processes, and outputs, and how devices can be connected to make networks.</p>	<p><b>Stop-frame animation</b> Capturing and editing digital still images to produce a stop-frame animation that tells a story.</p>	<p><b>Sequencing sounds</b> Creating sequences in a block-based programming language to make music.</p>	<p><b>Branching databases</b> Building and using branching databases to group objects using yes/no questions.</p>	<p><b>Desktop publishing</b> Creating documents by modifying text, images, and page layouts for a specified purpose.</p>	<p><b>Events and actions in programs</b> Writing algorithms and programs that use a range of events to trigger sequences of actions.</p>
Year 4	<p><b>The internet</b> Recognising the internet as a network of networks including the WWW, and why we should evaluate online content.</p>	<p><b>Audio production</b> Capturing and editing audio to produce a podcast, ensuring that copyright is considered.</p>	<p><b>Repetition in shapes</b> Using a text-based programming language to explore count-controlled loops when drawing shapes.</p>	<p><b>Data logging</b> Recognising how and why data is collected over time, before using data loggers to carry out an investigation.</p>	<p><b>Photo editing</b> Manipulating digital images, and reflecting on the impact of changes and whether the required purpose is fulfilled.</p>	<p><b>Repetition in games</b> Using a block-based programming language to explore count-controlled and infinite loops when creating a game.</p>

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Year 5	<p><b>Systems and searching</b> Recognising IT systems around us and how they allow us to search the internet.</p>	<p><b>Video production</b> Planning, capturing, and editing video to produce a short film.</p>	<p><b>Selection in physical computing</b> Exploring conditions and selection using a programmable microcontroller.</p>	<p><b>Flat-file databases</b> Using a database to order data and create charts to answer questions.</p>	<p><b>Vector drawing</b> Creating images in a drawing program by using layers and groups of objects.</p>	<p><b>Selection in quizzes</b> Exploring selection in programming to design and code an interactive quiz.</p>
Year 6	<p><b>Communication and collaboration</b> Identifying and exploring how data is transferred and information is shared online.</p>	<p><b>Webpage creation</b> Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation.</p>	<p><b>Variables in games</b> Exploring variables when designing and coding a game.</p>	<p><b>Introduction to spreadsheets</b> Answering questions by using spreadsheets to organise and calculate data.</p>	<p><b>3D modelling</b> Planning, developing, and evaluating 3D computer models of physical objects.</p>	<p><b>Sensing</b> Designing and coding a project that captures inputs from a physical device.</p>