



	Autumn term 1	Autumn term 2	Spring term 1	Spring term 2	Summer term 1	Summer term 2
Year 1	<p><b>Computing Systems &amp; Networks</b> Technology around us Recognising technology in school and using it responsibly.</p>	<p><b>Digital Painting</b> Explore the world of digital art and its exciting range of creative tools.</p>	<p><b>Programming: Beebots</b> Moving a robot Writing short algorithms and programs for floor robots and predicting program outcomes.</p>	<p><b>Data and Information</b> Grouping data Exploring object labels, then using them to sort and group objects by properties.</p>	<p><b>Digital Writing</b> Using a computer to create and format text, before comparing to writing non-digitally.</p>	<p><b>Programming: Scratch Junior</b> Programming animations Designing and programming the movement of a character on screen to tell stories.</p>
Year 2	<p><b>Information technology around us</b> Identifying IT and how its responsible use improves our world in school and beyond.</p>	<p><b>Digital photography</b> Capturing and changing digital photographs for different purposes.</p>	<p><b>Programming: Beebots</b> Creating and debugging programs and using logical reasoning to make predictions.</p>	<p><b>Data and Information Pictograms</b> Collecting data in tally charts and using attributes to organise and present data on a computer</p>	<p><b>Making music</b> Using a computer as a tool to explore rhythms and melodies, before creating a musical composition.</p>	<p><b>Programming: Scratch Junior</b> Programming quizzes Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz.</p>
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>Programming: Scratch</b> Sequencing sounds Creating sequences in a block-based programming language to make music.</p>	<p><b>Data and Information Databases</b> Branching databases 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>Programming: Scratch</b> Events and actions in programs 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>Programming: Logo</b> Repetition in shapes Using a text-based programming language to explore count-controlled loops when drawing shapes.</p>	<p><b>Data and Information 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>Programming: Scratch</b> Repetition in games Using a block-based programming language to explore count-controlled and infinite loops when creating a game.</p>
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>Programming: Crumblebots</b> Selection in physical computing Exploring conditions and selection using a programmable microcontroller.</p>	<p><b>Data and Information Data bases</b> Flat-file databases 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>Programming: Scratch</b> Selection in quizzes 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> <b>Designing and creating webpages, giving consideration to copyright, aesthetics, and navigation.</b></p>	<p><b>Programming: Scratch</b> Variables in games Exploring variables when designing and coding a game.</p>	<p><b>Data and Information Spreadsheets</b> Introduction to spreadsheets Answering questions by using spreadsheets to organise and calculate data.</p>	<p><b>3D modelling: Tinkercad</b> Planning, developing, and evaluating 3D computer models of physical objects</p>	<p><b>Programming: Microbits</b> Sensing Designing and coding a project that captures inputs from a physical device.</p>