



	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
	Computing systems and networks	Creating media	Programming A	Data and information	Creating media	Programming B
Year One	Technology around us <i>Recognising technology in school and using it responsibly.</i>	Digital painting <i>Choosing appropriate tools in a program to create art and making comparisons with working non-digitally.</i>	Moving a robot <i>Writing short algorithms and programs for floor robots and predicting program outcomes.</i>	Grouping data <i>Exploring object labels, then using them to sort and group objects by properties.</i>	Digital writing <i>Using a computer to create and format text, before comparing to writing non-digitally.</i>	Programming animations <i>Designing and programming the movement of a character on screen to tell stories.</i>
Year Two	IT around us <i>Identifying IT and how its responsible use improves our world in school and beyond.</i>	Digital photography <i>Capturing and changing digital photographs for different purposes.</i>	Robot algorithms <i>Creating and debugging programs and using logical reasoning to make predictions.</i>	Pictograms <i>Collecting data in tally charts and using attributes to organise and present data on a computer.</i>	Digital music <i>Using a computer as a tool to explore rhythms and melodies, before creating a musical composition.</i>	Programming quizzes <i>Designing algorithms and programs that use events to trigger sequences of code to make an interactive quiz.</i>
Year Three	Connecting computers <i>Identifying that digital devices have inputs, processes and outputs and how devices can be connected to make networks.</i>	Stop-frame animation <i>Capturing and editing digital still images to produce a stop-frame animation that tells a story.</i>	Sequencing sounds <i>Creating sequences in a block-based programming language to make music.</i>	Branching databases <i>Building and using branching databases to group objects using yes/no questions.</i>	Desktop publishing <i>Creating documents by modifying text, images, and page layouts for a specified purpose.</i>	Events and actions in programs <i>Writing algorithms and programs that use a range of events to trigger sequences of actions.</i>
Year Four	The internet <i>Recognising the internet as a network of networks including the WWW and why we should evaluate online content.</i>	Audio production <i>Capturing and editing audio to produce a podcast, ensuring that copyright is considered.</i>	Repetition in shapes <i>Using a text-based programming language to explore count-controlled loops when drawing shapes.</i>	Data logging <i>Recognising how and why data is collected over time, before using data loggers to carry out an investigation.</i>	Photo editing <i>Manipulating digital images and reflecting on the impact of changes and whether the required purpose is fulfilled.</i>	Repetition in games <i>Using a block-based programming language to explore count-controlled and infinite loops when creating a game.</i>
Year Five	Systems and searching <i>Recognising IT systems in the world and how some can enable searching on the internet.</i>	Video production <i>Planning, capturing and editing video to produce a short film.</i>	Sensing movement <i>Designing and coding a project that captures inputs from a physical device.</i>	Flat-file databases <i>Using a database to order data and create charts to answer questions.</i>	Introduction to vector graphics <i>Creating images in a drawing program by using layers and groups of objects.</i>	Selection in quizzes <i>Exploring selection in programming to design and code an interactive quiz.</i>
Year Six	Communication and collaboration <i>Exploring how data is transferred by working collaboratively online.</i>	Web page creation <i>Designing and creating webpages, giving consideration to copyright, aesthetics and navigation.</i>	Variables in games <i>Exploring variables when designing and coding a game.</i>	Introduction to spreadsheets <i>Answering questions by using spreadsheets to organise and calculate data.</i>	3D modelling <i>Planning, developing and evaluating 3D computer models of physical objects.</i>	Selection in physical computing <i>Exploring conditions and selection using a programmable microcontroller.</i>