

Year	Autumn Term 1 Unit	Autumn Term 2 Unit	Spring Term 1 Unit	Spring Term 2 Unit	Summer Term 1 Unit	Summer Term 2 Unit
5	Systems and searching Recognising IT systems in the world and how some can enable searching on the internet.	Video production Planning, capturing, and editing video to produce a short film	Selection in physical computing Exploring conditions and selection using a programmable microcontroller.	Flat-file databases Using a database to order data and create charts to answer questions.	Introduction to vector graphics Creating images in a drawing program by using layers and groups of objects.	Selection in quizzes Exploring selection in programming to design and code an interactive quiz.
6	Communication and collaboration Exploring how data is transferred by working collaboratively online	Webpage creation Designing and creating webpages, giving consideration to copyright, aesthetics and navigation.	Variables in games Exploring variables when designing and coding a game.	Introduction to spreadsheets Answering questions by using spreadsheets to organise and calculate data.	3D modelling Planning, developing, and evaluation 3D computer models of physical objects.	Sensing movement Designing and coding a project that captures inputs from physical devices.
7	Clear messaging in digital media Combining the use of digital tools and online collaboration to produce media 3.8, 3.9		Programming essentials in Scratch Applying the programming constructs of sequence, selection and iteration in Scratch. Using subroutines to decompose a problem that incorporates lists in Scratch. 3.2, 3.3, 3.4, 3.8		Modelling data using spreadsheets Sorting and filtering data using formulas and functions in spreadsheet software. 3.1, 3.7	
8	Media – Vector graphics Creating vector graphics through objects, layering, and path manipulation. 3.7, 3.8		Mobile app development Using event-driven programming to create an online gaming app. 3.1, 3.2, 3.3, 3.8		Layers of computing systems Exploring the fundamental elements that make up a computer system 3.4, 3.5, 3.6	