2018-19 Computing curriculum coverage – Year 6

Objectives overview	Word processing and multimedia	Digital imagery	Communicating, Collaborating and Publishing Online safety	Computer Sciences	Music and Sound	Modelling and Simulations Control and Sensing	Research	Spreadsheets
Objectives criteria	• Evaluate my design and layout • Use a multimedia program to organise and present my work • Produce a diagram to show the links between pages • Load multimedia software • Alter the way my work looks • Record and add sounds and sound effects to my work • Use special effects to move between screens • Add pictures to my work • Add already recorded sounds to my work • Present my information for a given audience • Understand the use copyright of images and text	Combine stills, video and sound • Independently capture and edit digital images • Use a graphics package to design and develop picture • Use different tools to produce different line widths, set • shapes, fill option, rubber and typing • Enhance a presentation by combining images • Use copy, cut, paste and move to change my work • Use layering to edit and improve images	• Understand e-safety • Compare the different forms of communication • Compose and respond to forums, blogs and emails • Show an understanding of personal safety • Behave responsibly when communicating online • Collaborate on a project using a range of web tools • Keep to copyright rules • Produce formal or informal messages • Can validate online information • Report online abuse and cyberbullying • Can create and use more complex passwords	• Create an interactive story • Design and Create a game • Detect and fix bugs in my game • Use variables in my game • Use repeat and loops in my game • Write an algorithm • Solve problems using logical thinking	• Copy sound files • Use a variety of devices to record musical and non-musical sounds • Manipulate existing sound files • Use ICT to perform sounds or music • Embed sound onto a page • Create my own sounds and compositions • Use software to layer sound, add voice, music and sound effects	• Understand sequencing commands • Use graphical information to answer questions and solve simple problems • Sequence instructions to control • Use sensor inputs to control outputs • Control an onscreen mimic or simulation with inputs and outputs • Improve and refine procedures • Draw simple flow diagrams • Use control sequences in real life situations	• Identify that web sites are not always accurate • Select and combine information from a range of different sources • Use a range of keywords to find specific sources of information • Know how internet searches work • Know how a computer network works	• Enter data into a spreadsheet • Enter formulae into a spreadsheet • Make predictions and check results • Use 'SUM' to calculate the total (L4) • Change data in a spreadsheet to answer 'what if...?' • Use a spreadsheet to create costings which are within budget • Use appropriate layout and designs • Discuss how using formula can enable me to test different variables