



# Computing Curriculum Long Term Plan

Year 1 – Year 6



Year 1

Term	Unit	Strand/Focus
Autumn 1	E-Safety	Digital Literacy -Create, date and save a digital portrait (paint) -Safely search of images online -Personal information -Help construct an email
Autumn 2	Word Processing Skills	Information Technology -Using a keyboard to input text -Editing text. -Formatting the font of a text.
Spring 1	Scratch Jr Programming	Computer Science -Using Scratch Jr to instruct a character to move and change size. -Using Scratch Jr to create a program that plays a sound.
Spring 2	Painting	Information Technology -Using Paint to create a simple poster containing different colours, images and text.
Summer 1 and Summer 2	Programming Toys	Computer Science -Create simple and precise instructions using pictures. -Programming a person using instructions. -Programming and debugging a Bee-bot.

Year 2

Term	Unit	Strand/Focus
Autumn 1	E-Safety	Digital Literacy -Understanding digital footprint. -Using keywords to find out about a topic. -Recognise whether a website is appropriate for children. -Kind and unkind behaviour online.
Autumn 2	Presentation Skills	Information Technology -Folders -Creating a simple presentation with text -Adding and formatting images -Organising slides within a presentation
Spring 1	Preparing for Turtle Logo	Computer Science -Give and follow an algorithm to turn left or right. -Give and follow an algorithm to make half and quarter turns. -Create, test and debug an algorithm.
Spring 2	Computer Art	Information Technology -Pixel art -Using tools in Paint to create different styles of art. -Retrieve and edit a file.
Summer 1	Programming Turtle Logo and Scratch	Computer Science -Using algorithms to move and rotate a sprite. -Using a repeat command. -Using Scratch to program a sprit to move and play sounds. -Changing the backdrop on Scratch.
Summer 2	Using the Internet	Information Technology Digital Literacy -Finding appropriate content online. -Links -Blogging and revisiting digital footprint

Year 3

Term	Unit	Strand/Focus
Autumn 1	E-Safety	Digital Literacy -Introduction to Cyberbullying -Advertisements -Creating passwords -Online communication
Autumn 2	Word Processing	Information Technology -Screenshots -Changing between upper case and lower case. -Aligning text -Bullets and numbering -Keyboard shortcuts (ctrl) -Text boxes
Spring 1	Programming Turtle Logo and Scratch	Computer Science -Using Turtle Logo to draw more complex shapes. -Using Scratch to draw shapes and patterns
Spring 2	Drawing and Desktop Publishing	Information Technology -Drawing using shapes and lines. -Ordering and grouping objects. -Combining text and images to create an effective poster layout.
Summer 1	Internet Research and Communication	Information Technology Digital Literacy -Search results -Sharing webpages -Safe communication online
Summer 2	Presentation Skills	Information Technology -Creating slide templates and hyperlinks. -Transitions, animation and theme -Inserting audio and video.

Year 4

Term	Unit	Strand/Focus
Autumn 1	E-Safety	Digital Literacy <i>-Cyberbullying -Using search engines accurately.                      -Plagiarism                      -Creating safe online profiles.</i>
Autumn 2	Word Processing	Information Technology <i>-Formatting images                      -Spellcheck                      -Inserting and formatting tables -Page layout                      -Hyperlinks</i>
Spring 1	Scratch: Questions and Quizzes	Computer Science <i>-Decomposing a program                      -Sequence and selection                      -Variables</i>
Spring 2	Animation	Information Technology <i>-Digital 2D animation                      - Stop motion Animation</i>
Summer 1	Programming Turtle Logo	Computer Science <i>-Setpos                      -Colours                      -Fill                      -Text                      -Creating arcs.</i>
Summer 2	Film Making	Information Technology <i>-Recording and editing video using iMovie, using features such as transitions and filters.</i>



Year 6

Term	Unit	Strand/Focus
Autumn 1	E-Safety	Digital Literacy -Cyberbullying -Website security -Online relationships -Online media and gender
Autumn 2	Spreadsheets	Information Technology -Entering data -Formulae -Ordering and presenting data. -Designing a spreadsheet for a specific purpose.
Spring 1 and Spring 2	Scratch: Animated Stories	Computer Science -Structuring and timing events. -Controlling when objects are visible. -Sequencing events -Recording and adding audio. -Adding interactive features to a program.
Summer 1	Kodu Programming	Computer Science -'When' and 'do' instructions -Developing a game to increase/reduce challenge.
Summer 2	Film Making	Information Technology -Recording video and importing it to another device. -Editing using Windows Movie Maker, using features such as transitions, captions and information cards.