

Computing Long Term Plan 2021-2022

	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Autumn 1	Improving Mouse Skills Login, navigate and mouse skills	What is a Computer? Inputs/Outputs and Uses	Emailing With attachments and cyberbullying	Investigating weather Researching and storing data and green screen video	Online safety Keeping safe online	Intro to Python Using the programming language of Python
Autumn 2	Programming: Bee-Bot Programming functions and capabilities	Word Processing Touch typing and staying safe online	Programming Programming apps	Website design Website creation and Google Sites	Search Engines Research skills and finding accurate information	Big Data 1 Barcodes, QR codes and RFID
Spring 1	Algorithms Unplugged Algorithms in real life	Programming: Scratch JR Programming apps	Journey Inside a Computer Inputs/outputs and purpose	Collaborative Learning Google Docs, Slides, Form and Sheet	Mars Rover 1 Data transfer and binary code	Big Data 2 Data usage and smart schools
Spring 2	Digital Imagery Photo capture and editing	Algorithms and Debugging Programming: Plugged-In and Unplugged	Networks and the Internet Sharing information and the internet	HTML Editing the HTML and CSS of a web page	Mars Rover 2 3D design skills	Bletchley Park 1 Code breaking and password hacking
Summer 1	Introduction to Data Gathering and recording animal data	International Space Station Data collection, display and interpretation	Video Trailers Digital Literacy Creating book trailers	Programming Further programming with Scratch	Music programming apps Sonic Pi	Bletchley Park 2 WWII and the first computers
Summer 2	Rocket to the Moon Keyboard skills, sequencing and debugging in a rocket project	Stop Motion Storyboarding then creating simple animations	Top Trumps Comparison Cards Databases Understanding and using databases	Computational Thinking Plugged and unplugged activities to develop the four areas of computational thinking	Micro:bit The meaning and purpose of programming	Skills Showcase Designing and promoting a new product