



Computing Long Term Plan





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		Unit 1	Unit 2	Unit 3	Unit 4	Unit 5
EYFS	Year A + B	Computing systems and networks <u>Using a computer</u> (All 5 lessons)	Programming 1 <u>All about instructions</u> (All 5 lessons)	Programming 2 <u>Exploring hardware</u> (4 lessons: 1-4 only)	Data handling <u>Introduction to data</u> (4 lessons: 1-4 only)	N/A
Key Stage 1	Year A	Computing systems and networks <u>Improving mouse skills</u> (3 lessons: 1-3 only)	Programming 1 <u>Algorithms unplugged</u> (4 lessons: 1, 2, 4 and 5 only)	Creating media <u>Digital imagery</u> (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1-3 only)	Programming 2 <u>Bee-bot</u> (Option 1: Bee-Bot) (Option 2: Virtual Bee-Bot) (4 lessons: 1, 3, 4 and 5 only)	Online safety <u>Online safety Y1</u> (All 4 lessons)
	Year B	Computing systems and networks 1 <u>What is a computer?</u> (3 lessons: 1, 2 and 5 only)	Programming 1 <u>Algorithms and debugging</u> (4 lessons: 1, 2, 4 and 5 only)	Data Handling <u>International Space Station</u> (3 lessons: 1, 3 and 5 only)	Programming 2 <u>ScratchJr</u> (4 lessons: 1, 2, 4 and 5 only)	Online safety <u>Online safety Y2</u> (4 lessons: Teach all five by combining lessons 3 and 4)



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Lower Key Stage 2	Year A	Computing systems and networks 1 <u>Networks and the internet</u> (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1, 3 and 5 only)	Computing systems and networks 3 <u>Journey inside a computer</u> (3 lessons: 1, 2 and 5 only)	Creating media <u>Video trailers</u> (Using devices other than iPads) (4 lessons: 1-4 only)	Programming <u>Programming: Scratch</u> (4 lessons: 1, 2, 3 and 5 only)	Online safety <u>Online safety Y3</u> (All 4 lessons)
	Year B	Computing systems and networks <u>Collaborative learning</u> (Option 1: Google) (Option 2: Microsoft Office 365) (4 lessons: 1, 3, 4 and 5)	Programming 1 <u>Further coding with Scratch</u> (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 2-4 only)	Data Handling <u>Investigating weather</u> (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1, 3, 4 and 5)	Programming 2 <u>Computational thinking</u> (4 lessons: 1-4 only)	Online safety <u>Online safety Y4</u> (4 lessons: 1, 2, 3 and 5)
Upper Key Stage 2	Year A	Computing systems and networks <u>Search engines</u> (Option 1: Google) (Option 2: Microsoft Office 365) (4 lessons: 1-4)	Data Handling <u>Mars Rover 1</u> (3 lessons: 1, 2 and 4)	Creating media <u>Stop motion animation</u> (Option 1: Stop Motion Studio) (Option 2: with cameras) (4 lessons: 1-4)	Programming <u>Programming music</u> (Option 1: Sonic Pi) (Option 2: Scratch) (4 lessons: 1-4)	Online safety <u>Online safety Y5</u> (3 lessons: 1, 4 and 5)
	Year B	Computing systems and networks <u>Bletchley Park</u> (Option 1: Google) (Option 2: Microsoft Office 365) (3 lessons: 1-3)	Data Handling <u>Big data 1</u> (4 lessons: 1, 3, 4 and 5)	Creating media <u>History of Computers</u> (3 lessons: 3-5)	Programming <u>Intro to Python</u> (4 lessons: 1-4)	Online safety <u>Online safety Y6</u> (4 lessons: 1, 2, 4 and 6)