

Years 1-6 include an Online Safety unit each. See the: [Guidance: How to fit in our Online safety units](#) for information about how to include these in your curriculum time.
All units have five lessons unless otherwise stated.

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Online Safety
EYFS	Set up continuous provision in your classroom: Computing through continuous provision	Computing systems and networks	Programming 1	Computing systems and networks	Programming 2	Data handling	
		Using a computer Learning about the main parts of a computer and how to use the keyboard and mouse. Learning how to log in and out.	All about instructions The children learn to receive and give instructions and understand the importance of precise instructions.	Exploring hardware Tinkering and exploring with different computer hardware and learning to operate a camera.	Programming Bee-Bots Children learn about directions, experiment with programming a Bee-bot/Blue-bot and tinker with hardware.	Introduction to data Children sort and categorise data and are introduced to branching databases and pictograms.	
Year 1	Computing systems and networks	Programming 1	Skills showcase	Programming 2	Creating media	Data handling	Online safety
	Improving mouse skills	Algorithms unplugged	Rocket to the moon	Programming Bee-bots Option 1: Bee-Bots Option 2: Virtual Bee-bots	Digital imagery Option 1: Google Option 2: Microsoft Office 365	Introduction to data	Online safety Y1 (4 lessons)
Year 2	Computing systems and networks 1	Programming 1	Computing systems and networks 2	Programming 2	Creating media	Data handling	Online safety
	What is a computer?	Algorithms and debugging	Word processing Option 1: Google Option 2: Microsoft Office 365	Programming: Scratch Jr	Stop Motion Option 1: Using tablet devices Option 2: Using cameras Option 3: Devices without cameras	International Space Station	Online safety Y2

Suggested long-term plan: Computing - Overview (Lower and upper KS2)

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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Online Safety
Year 3	Computing systems and networks 1	Programming	Computing systems and networks 2	Computing systems and networks 3	Creating media	Data handling	Online safety
	Networks and the internet Option 1: Google Option 2: Microsoft Office 365	Programming: Scratch	Emailing Option 1: Google Option 2: Microsoft Office 365	Journey inside a computer	Video trailers Option 1: Using devices other than iPads, Option 2: Using iPads	Comparison cards databases Option 1: Google Option 2: Microsoft Office 365	Online safety Y3 (4 lessons)
Year 4	Computing systems and networks	Programming 1	Creating media	Skills showcase	Programming 2	Data handling	Online safety
	Collaborative Learning Option 1: Google Option 2: Microsoft Office 365	Further coding with Scratch Option 1: Google Option 2: Microsoft Office 365	Website design Option 1: Google Option 2: Microsoft Office 365	HTML	Computational thinking	Investigating weather Option 1: Google Option 2: Microsoft Office 365	Online safety Y4 (6 lessons)
Year 5	Computing systems and networks	Programming 1	Data handling	Programming 2	Creating media	Skills showcase	Online safety
	Search engines Option 1: Google Option 2: Microsoft Office 365	Programming music Option 1: Sonic Pi, Option 2: Scratch	Mars Rover 1	Micro:bit	Stop motion animation Option 1: Stop motion studio Option 2: Using cameras	Mars Rover 2	Online safety Y5
Year 6	Computing systems and networks	Programming	Data handling	Creating media	Data handling	Skills showcase	Online safety
	Bletchley Park Option 1: Google Option 2: Microsoft Office 365	Intro to Python	Big data 1	History of computers Option 1: Google Option 2: Microsoft Office 365	Big data 2	Inventing a product Option 1: Google Option 2: Microsoft Office 365	Online safety Y6 (6 lessons)