



Suggested long-term plan: Computing - Overview (EYFS and KS1)

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 Using a computer	Programming 1 All about instructions	Computing systems and networks Exploring hardware	Programming 2 Programming Bee-Bots	Data handling Introduction to data	
Year 1	Computing systems and networks Improving mouse skills	Programming 1 Algorithms unplugged	Skills showcase Rocket to the moon	Programming 2 Programming Bee-bots Option 1: Bee-Bots Option 2: Virtual Bee-bots	Creating media Digital imagery	Data handling Introduction to data	Online safety Online safety Y1 (5 lessons)
Year 2	Computing systems and networks 1 What is a computer?	Programming 1 Algorithms and debugging	Computing systems and networks 2 Word processing	Programming 2 Programming: ScratchJr	Creating media Stop motion Option 1: Using tablets Option 2: Using desktops/laptops	Data handling International Space Station	Online safety Online safety Y2 (4 lessons)



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

	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	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 (5 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	Website design Option 1: Google Option 2: Microsoft Office 365	HTML	Computational thinking	Investigating weather	Online safety Y4 (5 lessons)
Year 5	Computing systems and networks	Programming 1	Data handling	Programming 2	Creating media	Skills showcase	Online safety
	Search engines	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 (5 lessons)
Year 6	Computing systems and networks	Programming	Data handling	Creating media	Data handling	Skills showcase	Online safety
	Bletchley Park	Intro to Python	Big data 1	History of Computers	Big data 2	Inventing a product	Online safety Y6 (6 lessons)



Online safety is taught at Park Road throughout the year. Responsive sessions are taught in addition as required. A sample of how this works with the Kapow Scheme is shown below.

Option 2	Teach each of our units as shown in the suggested Long term plan. As each half term is usually longer than the five weeks of lessons we have provided, you should have some 'spare' Computing lessons. Some or all of these could be used to teach one lesson from the Online safety unit.			<ul style="list-style-type: none"> Depending on how the holidays fall, you may still have some 'spare' lessons within a half-term and some half-terms with too few lessons. You may need to briefly recap learning from the previous online safety lesson (although this is referred to in our planning) 		
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1 Option 2 example:	Improving mouse skills +Online safety Lesson 1	Algorithms unplugged +Online safety Lesson 2	Rocket to the moon + Online safety Lesson 3	Programming Bee-bots Option 1: Bee-bots Option 2: Virtual Bee-bots + Online safety Lesson 4	Digital imagery	Introduction to data