



Computing Teaching Sequence

Based on Kapow Computing.

Year	EYFS	Year 1	Year 2	Year 3
Autumn	<p>Computing systems and networks Using a computer</p> <p>N- Name Keyboard, screen, laptop, IPAD- know that we can take a photo using this</p> <p>R- Refresh names of computer parts as above. Use a keyboard to find numbers and sounds Use a mouse to log in and out Use class IPAD to take a photo</p>	<p>Computing systems and networks 1 Improving mouse skills Online Safety Y1 L1-2</p>	<p>Computing systems and networks 1 What is a computer? Online safety Online safety Y2 L1-3</p>	<p>Computing systems and networks 1 Networks and the internet</p>
Spring	<p>Programming 1 All about instructions</p> <p>N- Play games to follow an instruction e.g. animal sounds/ Simon says</p> <p>R- Follow instructions to play a simple phonics/ maths game on the IWB Give a blindfolded partner instructions around an obstacle course</p>	<p>Programming 1 Algorithms unplugged Online Safety Online Safety Y1 L3 Safer Internet Day</p>	<p>Online safety Online safety Y2 L4-5 Safer Internet Day Programming 1 Algorithms and debugging</p>	<p>Programming Programming: Scratch Online Safety Online safety Y3 L1-3 Safer Internet Day</p>



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Summer	<p>Programming 2 Programming Bee-Bots</p> <p>N- Understanding arrows Talking about directions R- Simple bee-bot programming</p> <p>Data Handling Introduction to data</p> <p>N- Sorting and categorising ourselves</p> <p>R- Sorting and categorising a variety of loose parts different criteria Answering a Y/N question- branching database</p>	<p>Data Handling Introduction to data</p> <p>Programming 2 Programming (Option 2: Virtual Bee-Bot)</p>	<p>Data Handling International Space Station</p>	<p>Computing systems and networks 3 Journey inside a computer</p> <p>Creating media Video trailers (Option 1: Using devices other than iPads)</p>



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Year	Year 4	Year 5	Year 6
Autumn	Computing systems and networks Collaborative learning (switch to Office 365) Online safety Online safety Y4 L1-3	Data Handling Mars Rover 1 Computing systems and networks Bletchley Park	Computing systems and networks Search engines Online safety Online safety Y6 L1-2
Spring	Programming 1 Further coding with Scratch Online Safety Safer Internet Day Skills showcase HTML L1-2	Programming 1 Option 2: Scratch Online Safety Safer Internet Day	Data Handling 1 Big data 1 Online Safety Safer Internet Day
Summer	Skills showcase HTML L3-5 Programming 2 Computational thinking	Online safety Online safety Y5	Creating media History of computers Programming Intro to Python Online safety Online safety Y6 L3