

Computing Curriculum

Long Term Overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Early Years Foundation Stage	Set up continuous provision in your classroom: Computing through continuous provision	Computer Networks and Systems Using a Computer <i>Career link: Network Technician</i>	Programming 1 All about instructions <i>Career link: Software Developer</i>	Computer Networks and Systems Exploring Hardware <i>Career link: Network Technician</i>	Programming 2 Programming Bee-Bots <i>Career link: Automation Engineer</i>	Data Handling Introduction to Data <i>Career link: Data Analyst</i>
Year 1	Computing systems and networks Improving mouse skills <i>Career link: Graphic Designer</i>	Programming 1 Algorithms unplugged <i>Career link: Software Developer</i>	Skills Showcase Rocket to the moon <i>Career link: Digital Project Manager</i>	Programming 2 Programming Bee-Bots <i>Career link: Automation Engineer</i>	Creating Media Digital Imagery <i>Career link: Photographer</i>	Data Handling Introduction to data <i>Career link: Data Analyst</i>
Year 2	Computing systems and networks 1 What is a computer? <i>Career link: IT Systems Engineer</i>	Programming 1 Algorithms and debugging <i>Career link: Software Developer</i>	Computing systems and networks 2 Word processing <i>Career link: Office Administrator</i>	Programming 2 Programming: Scratch Jr <i>Career link: Game Designer</i>	Creating Media Stop Motion <i>Career link: Animator</i>	Data Handling International Space Station <i>Career link: Data Analyst</i>
Year 3	Computing systems and networks 1 Networks <i>Career link: Network Engineer</i>	Programming Programming Scratch <i>Career link: Game Developer</i>	Computing systems and networks 2 Emailing <i>Career link: Network Engineer</i>	Computing systems and networks 3 Journey inside a computer <i>Career link: Network Engineer</i>	Creating media Video Trailers <i>Career link: Film Editor</i>	Data Handling Comparison cards databases <i>Career link: Data Analyst</i>
Year 4	Computing systems and networks Collaborative learning <i>Career link: Network Engineer</i>	Programming 1 Further Coding with Scratch <i>Career link: Software Developer</i>	Creating Media Website Design <i>Career link: Web Designer</i>	Skills Showcase HTML <i>Career link: Digital Project Manager</i>	Programming 2 Computational thinking <i>Career link: AI Researcher</i>	Data Handling Investigating weather <i>Career link: Data Analyst</i>

Computing Curriculum

Long Term Overview

Year 5	Computing systems and networks Search engines <i>Career link: Network Engineer</i>	Programming 1 Programming music <i>Career link: Software Developer</i>	Data Handling Mars Rover <i>Career link: Data Analyst</i>	Programming 2 Micro;bit <i>Career link: Electronics Engineer</i>	Creating Media Stop Motion Animation <i>Career link: Animator</i>	Skills showcase Mars Rover 2 <i>Career link: Digital Project Manager</i>
Year 6	Computing systems and networks Bletchley Park and the history of computers <i>Career link: Network Engineer</i>	Computing systems and networks AI <i>Career link: Network Engineer</i>	Programming Intro to Python <i>Career link: Programmer</i>	Data handling 1: Big Data 1 <i>Career link: Data Analyst</i>	Data Handling 2: Big Data 2 <i>Career link: Data Analyst</i>	Skills showcase: Inventing a product <i>Career link: Digital Project Manager</i>

Online Safety

Throughout the year, children receive recurring lessons on online safety. These sessions are essential to reinforce their knowledge and understanding of how to navigate and stay safe in the digital realm, particularly when accessing the World Wide Web. Teachers often remind their class about the importance of staying safe online, whenever computing devices are being used by children.