



Bowlee Park Computing Long Term Plan

Nursery	Settling in	All about instructions	Data handling: Introduction to data	Computing systems	Programming	Exploring Hardware
Activity	Understanding routines	Play 'if you have' game and animal sounds game	Loose parts play	Pictures of play	Understanding arrows	Role Play
Reception	Settling In	All about instructions	Exploring Hardware	Computing systems	Data handling: Sorting data	Data handling: Branching database
Activity	Understanding routines	Giving instructions to complete a task	Real world tinker tray	Picture walk	Yes or no activity	Physical sorting and categorising
Year 1	1.1 Getting Started	1.2 Programming	1.4 Digital Images	1.5 Zoo data	1.6 Online Safety	1.3 Algorithms
Activity	<i>Mouse control and opening programmes.</i>	<i>Logging on Controlling a screen turtle</i>	<i>Taking digital photographs,</i>	<i>Learning about data show the findings of a minibeast hunt</i>	<i>Online Safety. Being safe online</i>	<i>Block coding</i>
Topic/theme	Life skills Sketchpad	Busy things	iPads – camera tools	Branching databases j2E	Posters/videos	Unplugged activities
Online Safety	Always tell a trusted adult if anything upsets or worries you. What are personal details?					
Year 2	2.1 What is a computer?	2.2 Word processing & Data ISS	2.4 Algorithms & Debugging	2.3 Programming	2.6 Online Safety	2.5 Stop Motion
Activity	Identify key parts & name devices	<i>Touch typing, staying safe online</i>	<i>Programming & debugging</i>	<i>'Scratch Jr'.</i>	<i>Posting online, privacy</i>	<i>Simple animations. J2E software</i>
Topic/theme	Technology around us. Sketchpad	Typing & Databases	Scratch Junior. Google coding	Block Coding	PSHE	Animation J2E
Online Safety	What are personal details? What personal details should you keep safe?					
Year 3	3.1 Online safety Word processing	3.5 Digital literacy	3.4 Databases	3.2 Programming	3.3 Journey inside a computer	3.6 Network & Internet
Activity	Own usernames, text formatting.	<i>Create a book Trailer</i>	<i>Understanding databases</i>	Programming apps	<i>inputs/outputs and purpose</i>	<i>Safe emails</i>
Topic/theme	Online safety	Movie Maker	Maths S/Sheets	Scratch 3	Inside a computer	E safety
Online Safety	Learning about fake news, know what to believe online, speak to adults if worried, how devices can share information, age restrictions for social media sites					

Year 4	Unit 4.1 Investigating the Weather	Unit 4.4 Programming 1 Scratch	Unit 4.3 Collaborative learning	4.6 Computational thinking	Unit 4.2 Online safety & MS Word Key Skills	4.5 We are HTML editors
Activity	<i>Research, spreadsheets</i>	<i>Using variables in coding.</i>	<i>Shared work, online working Google docs</i>	<i>Variables & conditional statements</i>	<i>Searching, being discerning, Safety online Posters.</i>	<i>HTML editing,</i>
Topic/theme	Spreadsheets	Scratch 3	Google Slides	Scratch 3	English/Online safety	HTML editing & Coding
Online Safety	Know how to search for reliable information, opinions/facts/beliefs, how companies encourage spending online, being safe and respectful online					
Year 5	5.1 Animation	5.5 Mars Rover 1& 2	5.4 Micro:bit	5.3 Online safety	5.2 Computer Networks/Research	5.6 Scratch music
Activity	<i>Stop motion animation</i>	<i>Research, transmitting data, images, pixels</i>	<i>Simulations, physical computing</i>	<i>Online dangers & reputations</i>	<i>Search engines. Finding accurate information</i>	<i>Music programming online</i>
Topic/theme	Stop Motion Studio	Tinker CAD	Algorithms	Web research	Research, MS word	Scratch Programming
Online Safety	Communicating online safely, online protection and reputations, online bullying, learn good online habits to promote health & well being.					
Year 6	6.1 Programming	6.2 Bletchley Park	16.5 Product Invention	6.3 Computer History	6.4 Big Data 1 &2	6.6 Online Safety
Activity	Tinkering with Logo, Python coding	Code breaking/ Password hacking Research	Micro:bits & Tinker CAD	Early computers research & presentations	Bar codes/QR Codes/Spreadsheet data	Be Internet Legends
Topic/theme	Programming.	Maths/History	Vehicles & buildings	English/History	Maths	Online Safety
Online Safety	Learning positive and negative effects of being online, identify potential scams, creating a positive online reputation, creating safe secure passwords.					