

Curriculum Overview: Computing (KAPOW)

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
N	Children have access to a role play area with a range of technology (e.g. telephone, Hoover, washing machine etc.). Continuous provision will draw on common uses of control technology for children to experience through play, such as BeeBots, iPads. Children will participate in Online Safety Day in February.					
	How to use the interactive board and iPads to facilitate learning and playing games. Rules for using technology responsibly.		How to select the tools that help us; choosing a particular app for a purpose (e.g. to draw, to play). Know how to operate wind-up toys and pulleys.		Know how to create digital art using the iPad or app on the interactive board. Recognise keyboard and mouse as input devices.	
R	Computing systems and networks Using a computer		Programming 1 All about instructions Online Safety week	Computing systems and networks Exploring hardware	Programming 2 Programming Bee-Bots	Data handling Introduction to data
1	Computing systems and networks Improving mouse skills	Programming 1 Algorithms unplugged	Skills showcase Rocket to the moon Online Safety week	Programming 2 Bee-Bots	Creating media Digital imagery	Data handling Introduction to data
2	Computing systems and networks 1 What is a computer?		Computing systems and networks 2 Word Processing Online Safety week	Programming 1 Algorithms & debugging	Programming 2 ScratchJr	Data handling International Space Station
3	Computing systems and networks 1 Networks	Programming Scratch	Computing systems and networks 2 Emailing Online Safety week	Computing systems and networks 3 Journey inside a computer	Creating media Video trailers: using iPads	Data handling Comparison cards databases
4	Computing systems and networks Collaborative Learning: Google	Programming 1 Further Coding in Scratch	Creating media Website Design: Google Online Safety week	Skills showcase HTML	Programming 2 Computational Thinking	Data handling Investigate weather
5	Computing systems and networks Search Engines	Programming 1 Programming: Music	Data handling Mars Rover 1 Online Safety week	Programming 2 Micro:bit	Creating media Stop Motion Animation: Cameras	Skills showcase Mars Rover 2
6	Computing systems and networks 1 Bletchley Park and the history of computers	Computing systems and networks 2 Exploring AI	Data handling Big Data 1 Online Safety week	Programming Intro to Python	Data handling Big data 2	Skills Showcase Inventing a product