

Gaddesby Primary School

Computing Curriculum

2023 – 2024



At Gaddesby Primary School computing is taught through using the Kapow scheme of work. Kapow's lessons develop pupils' knowledge across five areas: Digital Literacy and Online Safety, Computational Thinking and Computers and Hardware.

**Computing – Long term plan**

EYFS	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing through continuous provision	Computing systems and networks Using a computer	Programming 2 Programming Bee-Bots	Programming 1 All about instructions	Computing systems and networks Exploring hardware	Data handling Introduction to data	Online safety
Year 1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks What is a computer? Improve mouse skills	Programming 1 Algorithms unplugged and debugging	Skills showcase Rocket to the moon	Programming 2 Programming Bee-Bots	Creating media Digital imagery, google and Microsoft	Data handling Introduction to data	Online safety
Year 2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks 1 What is a computer?	Programming 1 Algorithms and debugging	Computing systems and networks 2 Word processing	Programming 2 Programming Scratch Junior	Creating media Stop motion using tablet devices, cameras and others	Data handling International space station	Online safety
Year 3	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks 1 Networks and the internet	Programming Scratch	Computing systems and networks 2 Emailing	Computing systems and networks 3 Journey inside a computer	Creating media Video trailers	Data handling Comparison cards databases	Online safety
Year 4	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks Collaborative learning	Programming 1 Further coding using scratch	Creating media Website design	Skills showcase HTML	Programming 2 Computational thinking	Data handling Investigating weather	Online safety
Year 5	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks Search engines	Programming 1 Programming music	Data handling Mars Rover 1	Programming 2 Micro-bit	Creating media Stop motion animation	Skills showcase Mars Rover 2	Online safety
Year 6	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	Ongoing
	Computing systems and networks Bletchley park	Programming Introduction to Python	Data handling Big data 1	Creating media History of computers	Data handling Big data 2	Skills showcase Inventing a product	Online safety