## Slingsby School Computing Curriculum Overview 2024-2025: Kapow Primary Unit Summaries



KS1	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2		
Year 1	Computing Systems and	Programming 1: Algorithms	Skills showcase: Rocket to the	Programming 2: Bee Bots	Creating Media: Digital	Data Handling: Introduction to		
(Children	Networks: Improving mouse	unplugged	moon	Developing early programming	Imagery	Data		
have	skills	Using an unplugged approach	Developing keyboard and	skills using the Bee:Bot	Using creativity and imagination	Learning what data is and the		
one	Knowing how to log in and	so that algorithms,	mouse skills through designing,		to plan a miniature adventure	different ways that it can be		
online	navigate around a computer,	decomposition and debugging	building and testing individual		story and capture it using	represented as well as		
safety	developing mouse skills,	are made relatable to familiar	rockets be creating a digital list		developing photography skills.	developing an understanding of		
lesson	learning how to drag, drop, click	contexts, such as dressing up	of materials, using drawing		Learn to enhance photos using	why data is useful, how it can		
each half	and control a cursor to create	and making a sandwich, while	software and recording data.		a range of editing tools as well	be used and ways in which it		
term)	works of art inspired by	learning why instructions need			as searching for and adding	can be gathered and recorded		
	Kandinsky and self-portraits.	to be very specific.			other images to a project,	by both humans and		
					resulting in a high-quality photo	computers.		
					collage showcase.			
Year 2	Computing systems and	Programming 1: Algorithms	Computing systems and	Programming 2: Scratch Jr	Creating media: Stop motion	Data handling: International		
	networks 1: What is a	and debugging	networks 2: Word processing	Exploring what 'blocks' do,	Storyboarding and simple	Space Station		
	computer?	Developing an understanding of	Learning about word processing	using the app 'ScratchJr', by	animation creation using either	Learning how astronauts		
	Exploring what a computer is by	what algorithms are, how to	and how to stay safe online as	carrying out an informative	tablet devices or devices with	survive on the ISS, including		
	identifying and learning how	program them and how they	well as developing touch-typing	cycle of predict>test>review.	cameras.	identifying necessary items,		
	inputs and outputs work.	can be developed to be more	skills. Introducing important	Programming a familiar story		designing sensor displays, and		
	Understanding how computers	efficient through a range of	keyboard shortcuts, as well as	and an animation of an animal,		exploring habitable planets.		
	are used in the wider world,	unplugged and plugged-in	simple editing tools within a	children make their own		Online safety		
	children design their own	activities.	word processor including: bold,	musical instrument by creating		Learning about online safety,		
	computerised invention.		italics, underline and font	buttons and recording sounds		including: what happens to		
			colour as well as how to import	as well as following an		information posted online; how		
			images.	algorithm to record a joke.		to keep things private online;		
						who we should ask before		
						sharing online; describing		
						different ways to ask for, give,		
						or deny permission online.		

KS2	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year	Computing systems and	Programming: Scratch (Y3)	Creating media: Video trailers	Creating media: Website design	Programming 2: Computational	Data handling: Investigating
3/4	networks 1: Networks (Y3)	Learning to use loops to	(Previously called 'Digital	(Y4)	thinking (Y4)	weather (Y4)
	Introduction to the concept of	program an animation, a story	literacy') (Y3)	Planning and creating a web	Developing the four areas of	Researching and storing data
	networks, learning how devices	and a game in Scratch.	Storyboarding and creating a	page using either Google Sites	computational thinking through	using spreadsheets, designing a
	communicate. From identifying		simple trailer using either iPads	or Microsoft Office 365	a range of plugged and	weather station which gathers
	components, learn how		or devices other than iPads.	software.	unplugged activities.	and records data.
	information is shared and					
	deepen this understanding by					
	exploring examples of real-					
	world networks.					
Year	Year 5: Programming 2:	Year 5: Data handling: Mars	Year 5: Skills Showcase: Mars	Year 6: Computing systems and	Year 5: Online safety	Year 6: Skills showcase:
5/6	Micro:bit	Rover 1	Rover 2	networks: Bletchley Park and	Exploring online	Inventing a product
	Clipping blocks together in a	Identifying some of the types of	Learning about pixels and	the history of computers	communication, protecting	Designing a new electronic
	program and predicting what	data that the Mars Rover	binary, creating a pixel picture	Exploring codebreaking at	personal information with	product and using CAD software
	will happen whilst making	collects and explaining how the	and saving a JPEG as a bitmap	Bletchley Park, historical figures	strong passwords and offering	to design appropriate housing
	connections with previously	Mars Rover transmits the data	to understand the difference in	in Computing, the evolution of	advice to combat the negative	for it.
	used programming tools.	back to Earth.	file size as well as how pixels	computers, designing a	effects of online use.	
			are used to transfer image data.	computer of the future and		
				creating an audio advert.		