

Curriculum Map – Computing

Key Stage 1

Year	Autumn	Spring	Summer
A	Online Safety (Y2 Kapow) 1: What happens when I post online? 2: How do I keep my things safe online? 3: Who should I ask? 4: It's my choice	Word Processing (Y2 Kapow) 1: Getting to know the keyboard 2: Getting started with word processing 3: Newspaper writer 4: Poetry book 5: Making friends online	International Space Station (Y2 Kapow) 1: Homes in space 2: Space bag 3: Warmer, colder 4: Experiments in space 5: Goldilocks planets
	What is a Computer? (Y2 Kapow) 1: Computer parts 2: Inputs 3: Technology safari 4: Invention 5: Real world roleplay	Scratch Jr (Y2 Kapow) 1: Using ScratchJr 2: Creating an animation 3: Making a musical instrument 4: Programming a joke 5: 'The Three Little Pigs' algorithms	Stop Motion (Y2 Kapow) 1: What is animation? 2: What is stop motion? 3: My First Animation 4: Planning my project 5: Creating my project
B	Online Safety (Y1 Kapow) 1: Using the internet safely 2: Online emotions 3: Always be kind and considerate 4: Posting and sharing online	Programming Bee-Bots (Y1 Kapow) 1: Getting to know a Bee-Bot 2: Making a Bee-Bot video 3: Precise Instructions 4: Bee-Bot World 5: Three Little Pigs	Digital Imagery (Y1 Kapow) 1: Planning a photo story 2: Taking photos 3: Editing photos 4: Searching for images 5: Photo collage
	Getting Started (Y1 Kapow) 1: Logging in 2: Click and drag skills 3: Drawing shapes 4: Drawing a story 5: Self-portrait	Algorithms Unplugged (Y1 Kapow) 1: What is an algorithm? 2: Algorithm pictures 3: Virtual assistants 4: Step by step 5: Debugging directions	Introduction to Data (Y1 Kapow) 1: Zoo data 2: Picture data 3: Minibeast hunt 4: Animal guess who 5: Inventions

Lower Key Stage 2

Year	Autumn	Spring	Summer
3	Online Safety (Y3 Kapow) 1: Beliefs, opinions and facts on the internet 2: When being online makes me upset 3: Sharing of information 4: Rules of social media platforms	Emailing (Y3 Kapow) 1: Sending an email 2: Adding attachments 3: Be kind online 4: Cyberbullying 5: Fake emails	Journey Inside a Computer (Y3 Kapow) 1: Inputs and outputs 2: Building a paper laptop 3: Following instructions 4: Computer memory 5: Dismantling a tablet
	Networks and Internet Safety (Y3 Kapow) 1: What's a network? 2: A file's journey 3: A website's journey 4: Routers 5: Understanding packets	Scratch Programming (Y3 Kapow) 1: Tinkering with Scratch 2: Using loops 3: Making an animation 4: Storytelling 5: Programming a game	Digital Literacy (Y3 Kapow) 1: Planning a book trailer 2: Filming 3: Editing the Trailer 4: Transitions and Text 5: Video Reviews
4	Online Safety (Y4 Kapow) 1: What happens when I search online? 2: How do companies encourage us to buy online? 3: Fact, opinion or belief? 4: What is a bot? 5: What is my #TechTimetable like? 6: How can I be safe and respectful online?	Website Design (Y4 Kapow) 1: Google Sites skills 2: Book review web page 3: Creating a web page 4: Planning my website 5: Creating my website	Collaborative Learning (Y4 Kapow) 1: Teamwork 2: Sharing a document 3: Slide presentations 4: Google Forms 5: Shared spreadsheets
	Further Scratch (Y4 Kapow) 1: Scratch reminder 2: Identifying what code does 3: Introduction to variables 4: Making a variable 5: Times tables project	HTML (Y4 Kapow) 1: Introduction to HTML 2: Remixing HTML 3: Changing HTML and CSS 4: Website hacking 5: Replacing images	Computational Thinking (Y4 Kapow) 1: What is computational thinking? 2: Decomposition 3: Abstraction and pattern recognition 4: Algorithm design 5: Applying computational thinking

Upper Key Stage 2

Year	Autumn	Spring	Summer
5	Online Safety (Y5 Kapow) 1: Online protection 2: Online communication 3: Online reputation 4: Online bullying 5: Online health	Mars Rover 1 (Y5 Kapow) 1: Mars Rover 2: Binary code 3: Computer architecture 4: Using binary – numbers 5: Using binary – text	Stop Motion (Y5 Kapow) 1: Animation Explored 2: Exploring Stop Motion 3: Planning My Stop Motion Project 4: Stop Motion Creation 5: Editing my Stop Motion Project
	Sonic Pi (Y5 Kapow) 1: Tinkering with Sonic Pi 2: Sonic Soundtrack 3: Musical Storytelling 4: Live Loops 5: Battle of the Bands	Mars Rover 2 (Y5 Kapow) 1: Pixels 2: Compressing images 3: Fetch, decode, execute 4: Tinkering with CAD 5: TinkerCAD tutorials	Search Engines (Y5 Kapow) 1: Searching basics 2: Inaccurate information 3: Web quest 4: Information poster 5: Web crawlers
6	Online Safety (Y6 Kapow) 1: Life online 2: Sharing online 3: Creating a positive online reputation 4: Capturing evidence 5: Password protection 6: Think before you click	Bletchley Park (Y6 Kapow) 6: Playing with sound 7: Radio plays 8: First computers 9: Computers that changed the world 10: Future computer	Big Data 1 (Y6 Kapow) 1: Barcodes 2: Transmitting data 3: RFID 4: Using RFID 5: Mobile data
	Bletchley Park 1 (Y6 Kapow) 1: Secret codes 2: Brute force hacking 3: Bletchley Park 4: Computing heroes 5: Computing heroes part 2	Intro to Python (Y6 Kapow) 1: Tinkering with Logo 2: Nested loops 3: Using Python 4: Using loops in Python 5: Coding Mondrian	Skills Showcase (Y6 Kapow) 1: Invention design 2: Coding and debugging 3: Computer Aided Design (CAD) 4: My product's website 5: Video advert