



Computing Whole School Curriculum Map

Topic Cycle A

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
School Global Curriculum Theme	Sustainable Development How do we protect the world for future generations?		Quality Education Is the real point of school just to help you get the best test scores and get a good job or is it to teach you how to be a kind person who changes the world?		Climate Action If the sea gets too warm and there isn't enough food for the puffins to feed their babies, should biologists spend money to save them or should we just leave them alone?	
Christian Values	Responsibility Respect Resilience		Justice Honesty		Peace Patience	
	Autumn		Spring		Summer	
Reception	Programming 1: All About Instructions (link -Sadie Sprocket builds a rocket?) (x 5 lessons)	How to use a keyboard and mouse (x 5 lessons)	Exploring Hardware (x 5 lessons)	Programming Bee Bots (x 5 lessons)	Data Handling: Introduction to Data (x 5 lessons)	
Y1/2	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 3 lessons)	
	What is a computer? (x 5 lessons)	Improving Mouse Skills (x 5 lessons)	Programming 1: Algorithms and Debugging (x 5 lessons)		Programming 2: MakeCode (x 5 lessons)	Word Processing (x 5 lessons)

Y3/4	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 5 lessons)	
	Video Trailers (x 5 lessons)	Website Design (x 5 lessons)	Comparison Cards Databases (x 5 lessons)	Further Coding with Scratch (x 5 lessons)	Journey inside a Computer (x 5 lessons)	Networks (x 5 lessons)
Y5/6	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 3 lessons)	
	Exploring AI (x 5 lessons)	Introduction to Python (x 5 lessons)	Inventing a Product (x 5 lessons)	Stop Motion Animation (x 5 lessons)	Programming Data: Micro:bit (x 5 lessons)	Bletchley Park (x 5 lessons)

Topic Cycle B

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
School Global Curriculum Theme	Sustainable Development How do we protect the world for future generations?		Quality Education Is the real point of school just to help you get the best test scores and get a good job or is it to teach you how to be a kind person who changes the world?		Climate Action If the sea gets too warm and there isn't enough food for the puffins to feed their babies, should biologists spend money to save them or should we just leave them alone?	
Christian Values	Love Kindness		Forgiveness Courage		Joy Friendship	
	Autumn		Spring		Summer	
Reception	Programming 1: All About Instructions (link -Sadie Sprocket builds a rocket?) (x 5 lessons)	How to use a keyboard and mouse (x 5 lessons)	Exploring Hardware (x 5 lessons)	Programming Bee Bots (x 5 lessons)	Data Handling: Introduction to Data (x 5 lessons)	
Y1/2	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 5 lessons)	
	Rocket to the Moon (keyboard & mouse skills) (x 5 lessons)	Data Handling: International Space Station (x 5 lessons)	Creating Media: Digital Imagery (x 7 lessons)		Programming 1: Algorithms Unplugged (x 5 lessons)	Stop Motion: Using laptops (x 5 lessons)
Y3/4	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 5 lessons)	
	Data Handling:	Skills Showcase HTML	Microsoft Office 365	Programming 1	Computing Systems (Google)	Computational Thinking

	Investigating Weather (x 5 lessons)	(Website Hacking) (x 5 lessons)	Emailing (x 5 lessons)	Scratch (standalone) (x 5 lessons)	Collaborative Learning (x 5 lessons)	Designing a Health Algorithm (x 5 lessons)
Y5/6	Online Safety (x 3 lessons)		Online Safety (x 3 lessons)		Online Safety (x 5 lessons)	
	Data Handling: The Mars Rover (x 5 lessons)	Skills Showcase The Mars Rover 2 (x 5 lessons)	Search Engines Historical Research (x 5 lessons)	Programming 1 Music (standalone) (x 5 lessons)	Big Data 1 Analysing Health (x 5 lessons)	Big Data 2 Designing a Smart School (x 5 lessons)