

Year 4 Computing long term plan 2023-24

(Colour coding/ themes taken from Purple Mash Scheme of Work Overview for Year 4)

	Theme	Programs	Planning	Objectives by week
Term 1	Staying Safe Online - Online Safety (PSHCE)	Browser	GSP Digital Futures 23/24 – To be taught across terms 1 and 2 in addition to computing sessions)	1 & 2) Self Image and Identity 3) Online Reputation 4) Online Relationships 5) Online Bullying 6)&7) Managing online info 8) Health, Well-being and Lifestyle 9) Privacy and Security 10) Copyright and Ownership
	Coding – Computer science	2Code	Purple Mash Online Coding Unit 4.1	1) Introduction to coding 2) Use an algorithm 3) Different object types and buttons 4) Using timers 5) IF and IF/ ELSE statements 6) Number variables 7 & 8) Design and make interactive scene
Term 2	Create - 2Logo	2Logo	Purple Mash Planning Unit Logo 4.5	1) Follow simple instructions to create shapes. 2) Understand pu and pd commands. 3) Find the most efficient way to draw shapes. 4) Use the Procedure feature. Create 'flowers' or 'crystals' using 2Logo.
	Coding- BBC Micro:bits	BBC	Micro:bits planning Volcano eruptions	1) animation 2) flowcharts and repetition 3) planning eruptions 4) programming eruption 5) reviewing animations
Term 3	Creating a spreadsheet to present, analyse, and evaluate information -	2Calculate	Purple Mash Planning 4.3	1) Enter numbers to cells 2) Use tools to make number games 3) Use line graphing tool 4) Use currency formatting tool 5) Use the functions of allocating value to images
Term 4	Coding – BBC Microbits	Micro:bits	Micro:bit planning Saving Sea Creatures	1) light up fishing nets 2) saving sea turtles

Term 5	Effective Search	Browser	Purple Mash Planning 4.7	<ol style="list-style-type: none"> 1) To locate information on the search results page 2) To use search effectively to find out information 3) To assess whether an information source is true and reliable
	Hardware Investigators		Purple Mash Planning 4.8	<ol style="list-style-type: none"> 1) To understand the different parts that make up a desktop computer 2) To recall the different parts that make up a computer
Term 6	Using Microsoft Word (around theme of Romans)	Word	Word	<ol style="list-style-type: none"> 1)changing text and font 2)adding images 3)edit images 4)wrapping images and texts 5)bullet points/numbering 6) text boxes, shapes, hyperlinks 7)inserting cells