

Computing Long Term Plan

“Programming is a skill best acquired by practice and example rather than from books”

Alan Turing

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Set up continuous provision in your classroom: Computing through continuous provision	Computing systems and Networks Using a computer	Programming 1 All about instructions	Computing systems and Networks Exploring hardware	Programming 2 Programming Bee-Bots	Data handling Introduction to data
Year 1	Computing systems and Networks Improving mouse skills	Programming 1 Algorithms unplugged	Skills showcase Rocket to the moon	Programming 2 Programming Bee-bots Option 1: Bee-Bots Option 2: Virtual Bee-bots	Creating media Digital imagery Option 1: Google Option 2: Microsoft Office 365	Data handling Introduction to data
Year 2	Computing systems and Networks 1 What is a computer?	Programming 1 Algorithms Unplugged and debugging	Computing systems and networks 2 Word processing Option 1: Google Option 2: Microsoft Office 365	Programming 2 Programming: Scratch Jr	Creating media Stop Motion Option 1: Using tablet devices Option 2: Using cameras Option 3: Devices without cameras	Data handling International Space Station
Year 3	Computing systems and networks 1 Networks and the internet Option 1: Google) Option 2: Microsoft Office 365	Programming Programming: Scratch	Computing systems and networks 2 Emailing Option 1: Google Option 2: Microsoft Office 365	Computing systems and networks 3 Journey inside a computer	Creating media Video trailers Option 1: Using devices other than iPads , Option 2: Using iPads	Data handling Comparison cards databases Option 1: Google Option 2: Microsoft Office 365
Year 4	Computing systems and Networks Collaborative Learning Option 1: Google Option 2: Microsoft Office 365	Programming 1 Further coding with Scratch Option 1: Google Option 2: Microsoft Office 365	Creating media Website design Option 1: Google Option 2: Microsoft Office 365	Skills showcase HTML	Programming 2 Computational thinking	Data handling Investigating weather Option 1: Google Option 2: Microsoft Office 365
Year 5	Computing systems and Networks Search engines Option 1: Google Option 2: Microsoft Office 365	Programming 1 Programming music Option 1: Sonic Pi , Option 2: Scratch	Data handling Mars Rover 1	Programming 2 Micro:bit	Creating media Stop motion animation Option 1: Stop motion studio Option 2: Using cameras	Skills showcase Mars Rover 2
Year 6	Computing systems and Networks Bletchley Park Option 1: Google Option 2: Microsoft Office 365	Programming Intro to Python	Data handling Big data 1	Creating media History of computers Option 1: Google Option 2: Microsoft Office 365	Data handling Big data 2	Skills showcase Inventing a product Option 1: Google Option 2: Microsoft Office 365

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Online Safety	
Year 1	4 lessons Learning how to stay safe online and how to manage feelings and emotions when someone or something has upset us.
Year 2	5 lessons Learning: how to keep information safe and private online; who we should ask before sharing things online and how to give, or deny permission online.
Year 3	4 lessons Learning: the difference between fact, opinion and belief; and how to deal with upsetting online content. Knowing how to protect personal information online.
Year 4	6 lessons) Searching for information and making a judgement about the probable accuracy; recognising adverts and pop-ups; understanding that technology can be distracting.
Year 5	5 lessons Learning about app permissions; the positive and negative aspects of online communication; that online information is not always factual; how to deal with online bullying and managing our health and wellbeing.
Year 6	6 lessons: Learning to deal with issues online; about the impact and consequences of sharing information online; how to develop a positive online reputation; combating and dealing with online bullying and protective passwords.