

The Synergy Schools Federation – Science Scheme of Learning for Mixed Age Classes

The Computing scheme of learning operates a two-year rolling programme for all year groups. Please refer to the ‘Synergy Schools Computing Curriculum’ for further details on each unit.

Year A	Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6
Unit 1	Computer Science Controlling a Programmable Toy – Beebot/Roamer	Computer Science Rapid Router (Code for Life) – Finding and Correcting Bugs in Programmes	Computer Science Purple Mash 5.1: Decomposition and Abstraction; Strings and Variables
	Computer Science Lightbot: Use Logical Reasoning to solve coding problems	Multimedia Purple Mash 4.6: Creating an Animation – 2Animate	Computer Science Purple Mash 6.1: Designing and making a more complex program
Unit 3	Basic Skills - Word Processing Basic Functions	Multimedia Using Sway to present a range of media	Multimedia Become a Graphic Designer (Canva.com or Publisher)
	Basic Skills – Using email Teaching the basics of sending and receiving emails.	Handling Data Purple Mash 3.6: Branching Databases	Multimedia Designing and TV Advert (iMovie)
Unit 5	Handling Data Purple Mash 2.4: Questioning	Basic Skills – IT Knowledge and Typing Purple Mash 4.8: Hardware Investigators Purple Mash 3.4: Learning to Type	Basic Skills - Collaboration Collaborative Working Online
	E-Safety Purple Mash 1.1: Online Safety	E-Safety Be Internet Legends (Y3/4 – Series 1)	E-Safety Be Internet Legends (Y5/6 Series 1/2)

Year B	Year 1 and Year 2	Year 3 and Year 4	Year 5 and Year 6
Unit 1	Computer Science Purple Mash 2.1: Use Logical Reasoning to solve coding problems	Computer Science Purple Mash 4.1 IF Statements and Variables	Computer Science Purple Mash 5.5: Game Creator (2DIY 3D)
	Computer Science Purple Mash 1.5: Control a sprite on screen (and using Lightbot)	Computer Science Rapid Router (Code for Life) – Using Procedures	Computer Science Controlling External Devices (BBC Microbit)
Unit 3	Basic Skills - Word Processing Add images from the Internet	Multimedia Creating Digital Art – Sketchpad / Kleki	Multimedia Advanced Digital Art (Pixlr Editor)
	Handling Data Finding Images on the Internet	Handling Data Data Logging – Using the Arduino App	Multimedia Creating a Year Book – MS Publisher
Unit 5	Multimedia Pic Collage/Using images to be creative with technology	Basic Skills - Word Processing Creating more complex documents using Word online (Office 365)	Basic Skills - Networking Purple Mash 6.6: Difference between the www and the Internet
	Handling Data (+E-Safety) Purple Mash 2.5: Effective Internet Searching	E-Safety Purple Mash 4.2: Phishing, Malware and Plagiarism	E-Safety Purple Mash 6.2: Risks and Benefits of Being Online

