Computing Intent Statement

To prepare all our children to use computational thinking and creativity to understand and change the world in which we live. Our curriculum ensures all children can understand the principles of computer science, analyse problems in computational terms, evaluate and apply information technology analytically to solve problems. This enables children to be responsible, competent, confident and creative users of information and communication technology. Our curriculum teaches the importance of good E-safety practices and develops understanding and strategies in order for children to stay safe on the internet wherever it is used.

Concepts and Themes

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Reception	Computing opportunites are within the curriculum					
Year 1	Typing and basic skills (logging on, saving and mouse control). Big brown bear Basic login to laptops (DL)	Card Insert (Paint) (IT)	Lego Builders (Purple Mash Unit 1.4 (CS)	Maze Explorers (Purple Mash Unit 1.5) (CS)	Coding (Purple Mash Unit 1.7) (CS)	Animated storybooks (Purple Mash Unit 1.6) (DL)
Year 2	On screen programming Year 2 (Purple Mash - 2 Code) (CS)	Online safety email (Purple Mash - 2email) (DL)	Illustrating ebook (Purple Mash - 2 paint) (IT)	Data Handling (Purple Mash - 2Question, 2Investigate) Recognise common uses of information technology beyond school (Tim Berners-Lee and Ada Lovelace) (IT)	Making music (Purple Mash - 2Sequence) (IT)	On-Screen Programming (Purple Mash - 2Go) (CS)
Year 3	Online safety (Purple mash 3.2) (DL)	Presenting with Microsoft Powerpoint (Purple mash unit 3.9) Using publisher (IT)	Programming a cartoon (Scratch) (CS)	Polling (IT)	Simulation	Pro bots Control
Year 4	Coding (Purple Mash - 2Code) (CS)	Coding (Scratch) (CS)	Databases(Purple Mash - 2Count, 2Calculate) (IT)	Creating a blog (Purple Mash - 2Blog) (DL, IT)	Making Music(Purple Mash - 2Sequence and Busy Beats) (IT)	Effective Searching (Google, Purple Mash - 2Connect) (IT)
Year 5	On-screen programming Year 5 (Purple Mash) (CS)	3d Modelling (Purple Mash) (IT)	Analysing data (Excel) (IT)	Blogging (Purple Mash) (DL, IT)	On-screen programming (Scratch) (CS)	Video Editing (National Teach computing scheme) (DL, IT)
Year 6	Spreadsheets and fund raising using formula (Excel) (IT)	Spreadsheets and fund raising using formula (Excel) (IT)	On-screen Programming Year 6 (Scratch) (CS)	Programming a game (National Teach Programming Scheme) (CS)	To be discerning in evaluating digital Concepts – internet searches, reliability, how ranked and e-safety unit. How technology has changed in Britain since WW2 (Purple Mash) (DL)	Create a Residential Trip memory (PhotoStory with photos/video and music) Quizzing (PurpleMash 6.7) (IT)