

Computing Curriculum

	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6			
<p><i>Purple Mash Computing schemes of work are used to deliver our Computing curriculum.</i></p> <p><i>Whilst some elements of Computing are taught discretely, others are covered as part of wider curriculum learning.</i></p>									
Year 1	Online safety and Exploring Purple Mash	Grouping and Sorting	Pictograms (using 2Count)	Lego Builders	Maze Explorers (using 2Go)	Animated Story Books (using 2Create A Story)	Coding (using 2Code)	Spreadsheets (using 2Calculate)	Technology Outside School
	<ul style="list-style-type: none"> Understand what algorithms are. Create simple programs. Use technology purposefully to create, store and retrieve digital content. 				<ul style="list-style-type: none"> Use technology safely keeping personal information private. Recognise common uses of information technology beyond school. 				
Year 2	Coding (using 2Code)	Online Safety	Spreadsheets (using 2Calculate)	Questioning (using 2Question and 2Investigate)	Effective Searching	Creating Pictures (using 2Paint A Picture)	Making Music (using 2Sequence)	Presenting Ideas	
	<ul style="list-style-type: none"> Understand that algorithms are implemented as programs on digital devices. Understand that programs execute by following precise and unambiguous instructions. Debug simple programs. Use logical reasoning to predict the behaviour of simple programs 				<ul style="list-style-type: none"> Use technology purposefully to organise digital content. Use technology purposefully to manipulate digital content. Use technology respectfully. Understand where to go for help and support when they have concerns about content or contact on the internet or other online technologies. 				
Year 3	Coding (using 2Code)	Online Safety	Spreadsheets (using 2Calculate)	Touch Typing (using 2Type)	Email (inc. email safety) (using 2Email)	Branching Databases (using 2Question)	Simulations (using 2Simulate)	Graphing (using 2Graph)	Presenting (using PowerPoint)
	<ul style="list-style-type: none"> Use search engines effectively. Use a variety of software to accomplish given goals. Collect and present information. Write programs that accomplish specific goals. 				<ul style="list-style-type: none"> Use sequence in programs. Use technology safely and responsibly. Identify a range of ways to report concerns about contact. 				
Year 4	Coding (using 2Code)	Online Safety	Spreadsheets (using 2Calculate)	Writing for Different Audiences	Logo (using 2Logo)	Animation (using 2Animate)	Effective Searching	Hardware Investigators	Making Music (using Busy Beats)
	<ul style="list-style-type: none"> Work with various forms of input and output. Design and debug programs that accomplish specific goals. Use repetition in programs. Use search technologies effectively. 				<ul style="list-style-type: none"> Design and create content. Select and use internet services. Understand the opportunities computer networks offer for communication. 				

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	<ul style="list-style-type: none"> Use a variety of software to accomplish given goals 				<ul style="list-style-type: none"> Identify a range of ways to report concerns about content and contact. Use technology respectfully. Recognise acceptable/unacceptable behaviour. 				
Year 5	Coding (using 2Code)	Online Safety	Spreadsheets (using 2Calculate)	Databases (using 2Investigate)	Game Creator (using 2DIY 3D)	3D Modelling (using 2Design and Make)	Concept Maps (using 2Connect)	Word Processing (using Word)	External Devices (using 2Code Purple Chip)
	<ul style="list-style-type: none"> Design and create programs. Control or simulate physical systems. Use logical reasoning to detect and correct errors in algorithms and programs. Understand how computer networks can provide multiple services, such as the www. and appreciate how results are selected and ranked. Analyse and evaluate information 					<ul style="list-style-type: none"> Select a variety of software to accomplish given goals. Select, use and combine internet services. Collect and present data. Understand the opportunities computer networks offer for communication. Identify a range of ways to report concerns about content and contact and recognise acceptable/unacceptable behaviour 			
Year 6	Coding (using 2Code)	Online Safety	Spreadsheets (using 2Calculate)	Blogging (using 2Blog)	Text Adventures	Networks	Quizzing (using 2Quiz)	Understanding Binary	Spreadsheets (using Excel)
	<ul style="list-style-type: none"> Solve problems by decomposing them into smaller parts. Use selection in programs and work with variables. Use logical reasoning to explain how some simple algorithms work. Use logical resounding to detect and correct errors in algorithms. Understand computer networks including the internet. Appreciate how results are ranked. 					<ul style="list-style-type: none"> Combine a variety of software to accomplish given goals. Select, use and combine software on a range of digital devices. Analyse and evaluate data. Design and create systems. Understand the opportunities computer networks offer for collaboration. Be discerning in evaluating digital content. 			