

## Computing Overview 2023 - 2024

Predominant Area of Computing (Most units will include aspects of all strands)											
Computer Science		Information Technology			Digital Literacy						
	Autumn 1		Autumn 2		Spring 1		Spring 2		Summer 1	Summer 2	
Reception	SEP <b>Communication and Language</b>  Listening, Attention & Understanding  Speaking	<b>Expressive Arts</b>  Being Imaginative & Expressive  Creating with Materials		<b>Literacy</b>  Word Reading  Writing  Comprehension		<b>Mathematics</b>  Number  Numerical Patterns		<b>Physical Development</b>  Fine Motor Skills  Gross Motor Skills		<b>PSED</b>  Building Relationships  Managing Self  Self – Regulation	<b>Understanding the World</b>  People, Culture & Communities  Past & Present  The Natural World
	Year 1	<b>Unit 1.1</b> <b>Online Safety &amp; Exploring Purple Mash</b>  Number of lessons – 4  Programs – Various	<b>Unit 1.2</b> <b>Grouping &amp; Sorting</b>  Number of lessons – 2  Programs – 2DIY		<b>Unit 1.3</b> <b>Pictograms</b>  Number of lessons – 3  Programs – 2Count		<b>Unit 1.4</b> <b>Lego Builders</b>  Number of lessons – 3  Programs – 2DIY	<b>Unit 1.5</b> <b>Maze Explorers</b>  Number of lessons – 3  Programs – 2Go	<b>Unit 1.6</b> <b>Animated Story Books</b>  Number of lessons – 5  Programs – 2Create A Story	<b>Unit 1.7</b> <b>Coding</b>  Number of lessons – 6  Program – 2Code	<b>Unit 1.8</b> <b>Spreadsheets</b>  Number of lessons – 3  Programs – 2Calculate
Year 2		<b>Unit 2.1</b> <b>Coding</b>  Number of lessons – 6  Programs – 2Code	<b>Unit 2.2</b> <b>Online Safety</b>  Number of lessons – 3  Programs – Various		<b>Unit 2.3</b> <b>Spreadsheets</b>  Number of lessons – 4  Programs – 2Calculate		<b>Unit 2.4</b> <b>Questioning</b>  Number of lessons – 5  Programs – 2Question 2Investigate	<b>Unit 2.5</b> <b>Effective Searching</b>  Number of lessons – 3  Programs – Browser	<b>Unit 2.6</b> <b>Creating Pictures</b>  Number of lessons – 5  Programs – 2PaintAPicture	<b>Unit 2.7</b> <b>Making Music</b>  Number of lessons – 3  Programs – 2Sequence	

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Year 3	<b>Unit 3.1 Coding</b>  Number of lessons – 6  Main Programs – 2Code	<b>Unit 3.2 Online Safety</b>  Number of lessons – 3  Programs – Various	<b>Unit 3.3 Spreadsheets</b>  Number of lessons – 3  Programs – 2Calculate	<b>Unit 3.4 Touch Typing</b>  Number of lessons – 4  Programs – 2Type	<b>Unit 3.5 Email (including email safety)</b>  Number of lessons – 6  Programs – 2Email, 2Connect, 2DIY	<b>Unit 3.6 Branching Databases</b>  Number of lessons – 4  Programs – 2Question	<b>Unit 3.7 Simulations</b>  Number of lessons – 3  Programs – 2Simulate, 2Publish	<b>Unit 3.8 Graphing</b>  Number of lessons – 3  Programs – 2Graph	<b>Unit 3.9 Presenting (with Microsoft PowerPoint)</b>  Number of lessons – 6  Main Program – MS PowerPoint
Year 4	<b>Unit 4.1 Coding</b>  Number of lessons – 6  Main Programs – 2Code	<b>Unit 4.2 Online Safety</b>  Number of lessons – 4  Programs – Various	<b>Unit 4.3 Spreadsheets</b>  Numbers of lessons – 6  Programs – 2Calculate	<b>Unit 4.4 Writing for different audiences</b>  Number of lessons – 5  Programs – 2Email, 2Connect, 2DIY	<b>Unit 4.5 Logo</b>  Number of lessons – 4  Programs – Logo	<b>Unit 4.6 Animation</b>  Number of lessons – 3  Programs – 2Animate	<b>Unit 4.7 Effective Search</b>  Number of lessons – 3  Programs – Browser	<b>Unit 4.8 Hardware Investigators</b>  Number lessons – 2	<b>Unit 4.9 Making Music</b>  Number of lessons – 4  Programs – Busy Beats
Year 5	<b>Unit 5.1 Coding</b>  Number of lessons – 6  Main Programs – 2Code	<b>Unit 5.2 Online Safety</b>  Number of lessons – 3  Programs – Various	<b>Unit 5.3 Spreadsheets</b>  Number of lessons – 6  Programs – 2Calculate	<b>Unit 5.4 Databases</b>  Number of lessons – 4  Programs – 2Question, 2Investigate	<b>Unit 5.5 Game Creator</b>  Number of lessons – 5  Programs – 2DIY 3D	<b>Unit 5.6 3D Modelling</b>  Number of lessons – 4  Programs – 2Design and Make	<b>Unit 5.7 Concept Maps</b>  Number of lessons – 4  Programs – 2Connect		<b>Unit 5.8 Word Processing (with Microsoft Word)</b>  Number of lessons – 8  Main Program – MS Word
Year 6	<b>Unit 6.1 Coding</b>  Number of lessons – 6	<b>Unit 6.2 Online Safety</b>  Number of lessons – 2	<b>Unit 6.3 Spreadsheets</b>  Number of lessons – 5	<b>Unit 6.4 Blogging</b>  Number of lessons – 4	<b>Unit 6.5 Text Adventures</b>  Number of	<b>Unit 6.6 Networks</b>  Number of lessons – 3	<b>Unit 6.7 Quizzing</b>  Number of lessons – 6	<b>Unit 6.8 Understanding Binary</b>	<b>Unit 6.9 Spreadsheets (with Microsoft Excel)</b>

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	Main Programs – 2Code	Programs – Various	Programs – 2Calculate	Programs – 2Blog	lessons – 5  Programs – 2Code, 2Connect		Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate	Number of lessons – 4  Main Programs – 2Code	Number of lessons 8  Main Program – MS Excel
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Online Safety will be taught using the Purple Mash program along with Common Sense Media and Google Be Internet. This combination will ensure complete coverage. Although each year group has been designated unit to cover Online Safety, they are encouraged to continue a constant discussion of how to stay safe online. At the start of every Computing lesson, staff will discuss an online safety scenario relating to one of the five pillars in our E-Safety scheme 'Google Be Internet Legends'. Staff may want to do additional E-Safety lessons throughout the year depending upon their need and gaps in understanding. Staff will be regularly updated on any new concerns to discuss with children and there will be regular E-Safety assemblies in both KS1 and KS2 to discuss ways to stay safe online. We will also take part in Online Safety Day and will have outside agencies (Google Be Internet Legends) in to share how to protect themselves online.