

**purple
mash**

Computing Scheme of Work - Overview

All Unit Summary

Predominant Area of Computing*		
	Computer Science	
	Information Technology	Digital Literacy

*Most units will include aspects of all strands.

Year 1

	Unit 1.1	Unit 1.2	Unit 1.3	Unit 1.4	Unit 1.5	Unit 1.6	Unit 1.7	Unit 1.8	Unit 1.9
	Online Safety & Exploring Purple Mash	Grouping & Sorting	Pictograms	Lego Builders	Maze Explorers	Animated Story Books	Coding	Spreadsheets	Technology outside school
Number of lessons	4	2	3	3	3	5	6	3	2
Main tool			2Count		2Go	2Create A Story	2Code	2Calculate	

Year 2

	Unit 2.1	Unit 2.2	Unit 2.3	Unit 2.4	Unit 2.5	Unit 2.6	Unit 2.7	Unit 2.8
	Coding	Online Safety	Spreadsheets	Questioning	Effective Searching	Creating Pictures	Making Music	Presenting Ideas
Number of lessons	6	3	4	5	3	5	3	4
Main tool	2Code		2Calculate	2Question 2Investigate		2Paint A Picture	2Sequence	

Year 3

	Unit 3.1	Unit 3.2	Unit 3.3	Unit 3.4	Unit 3.5	Unit 3.6	Unit 3.7	Unit 3.8	Unit 3.9
	Coding	Online safety	Spreadsheets	Touch Typing	Email (inc. email safety)	Branching Databases	Simulations	Graphing	Presenting
Number of lessons	6	3	3 4 lessons for Crash Course	4	6	4	3	3	5\6*
Main tool	2Code		2Calculate	2Type	2Email	2Question	2Simulate	2Graph	PowerPoint or Google Slides

*Platform dependent

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Year 4

	Unit 4.1	Unit 4.2	Unit 4.3	Unit 4.4	Unit 4.5	Unit 4.6	Unit 4.7	Unit 4.8	Unit 4.9
	Coding	Online Safety	Spreadsheets	Writing for Different Audiences	Logo	Animation	Effective Searching	Hardware Investigators	Making Music
Number of lessons	6	4	6	5	4	3	3	2	4
Main tool	2Code		2Calculate		2Logo	2Animate			Busy Beats

Year 5

	Unit 5.1	Unit 5.2	Unit 5.3	Unit 5.4	Unit 5.5	Unit 5.6	Unit 5.7	Unit 5.8
	Coding	Online Safety	Spreadsheets	Databases	Game Creator	3D Modelling	Concept Maps	Word Processing
Number of lessons	6	3	6	4	5	4	4	8
Main tool	2Code		2Calculate	2Investigate	2DIY 3D	2Design & Make	2Connect	MS Word or Google Docs

Year 6

	Unit 6.1	Unit 6.2	Unit 6.3	Unit 6.4	Unit 6.5	Unit 6.6	Unit 6.7	Unit 6.8	6.9
	Coding	Online Safety	Spreadsheets	Blogging	Text Adventures	Networks	Quizzing	Understanding Binary	Spreadsheets
Number of lessons	6	2	5	4	5	3	6	4	8
Main tool	2Code		2Calculate	2Blog			2Quiz		Excel or Google Sheets

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Units by Year Group - Single Age Classes

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
	Digital Literacy	

*Most units will include aspects of all strands.

Year 1

It is recommended that you teach unit 1.1 first as it introduces Purple Mash.

<p>Unit 1.1 Online Safety & Exploring Purple Mash</p> <p>Number of lessons – 4</p> <p>Programs – Various</p>	<p>Unit 1.2 Grouping & Sorting</p> <p>Number of lessons – 2</p> <p>Programs – 2DIY</p>	<p>Unit 1.3 Pictograms</p> <p>Number of lessons – 3</p> <p>Programs – 2Count</p>
<p>Unit 1.4 Lego Builders</p> <p>Number of lessons – 3</p> <p>Programs – 2DIY</p>	<p>Unit 1.5 Maze Explorers</p> <p>Number of lessons – 3</p> <p>Programs – 2Go</p>	<p>Unit 1.6 Animated Story Books</p> <p>Number of lessons – 5</p> <p>Programs – 2Create A Story</p>
<p>Unit 1.7 Coding</p> <p>Number of lessons – 6</p> <p>Programs – 2Code</p>	<p>Unit 1.8 Spreadsheets</p> <p>Number of lessons – 3</p> <p>Programs – 2Calculate</p>	<p>Unit 1.9 Technology outside school</p> <p>Number of lessons – 2</p> <p>Programs – Various</p>

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Year 2

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
	Digital Literacy	

*Most units will include aspects of all strands.

<p style="text-align: center;">Unit 2.1 Coding</p> <p>Number of lessons – 6</p> <p>Programs – 2Code</p>	<p style="text-align: center;">Unit 2.2 Online Safety</p> <p>Number of lessons – 3</p> <p>Programs – Various</p>	<p style="text-align: center;">Unit 2.3 Spreadsheets</p> <p>Number of lessons – 4</p> <p>Programs – 2Calculate</p>
<p style="text-align: center;">Unit 2.4 Questioning</p> <p>Number of lessons – 5</p> <p>Programs – 2Question, 2Investigate</p>	<p style="text-align: center;">Unit 2.5 Effective Searching</p> <p>Number of lessons – 3</p> <p>Programs – Browser</p>	<p style="text-align: center;">Unit 2.6 Creating Pictures</p> <p>Number of lessons – 5</p> <p>Programs – 2PaintAPicture</p>
<p style="text-align: center;">Unit 2.7 Making Music</p> <p>Number of lessons – 3</p> <p>Programs – 2Sequence</p>	<p style="text-align: center;">Unit 2.8 Presenting Ideas</p> <p>Number of lessons – 4</p> <p>Programs – Various</p>	

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Year 3

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
		Digital Literacy

*Most units will include aspects of all strands.

<p>Unit 3.1 Coding</p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p>Unit 3.2 Online safety</p> <p>Number of lessons – 3</p> <p>Programs – Various</p>	<p>Unit 3.3 Spreadsheets</p> <p>Number of lessons – 3*</p> <p>Programs – 2Calculate</p>
<p>Unit 3.4 Touch Typing</p> <p>Number of lessons – 4</p> <p>Programs – 2Type</p>	<p>Unit 3.5 Email (including email safety)</p> <p>Number of lessons – 6</p> <p>Programs – 2Email, 2Connect, 2DIY</p>	<p>Unit 3.6 Branching Databases</p> <p>Number of lessons – 4</p> <p>Programs – 2Question</p>
<p>Unit 3.7 Simulations</p> <p>Number of lessons – 3</p> <p>Programs – 2Simulate, 2Publish</p>	<p>Unit 3.8 Graphing</p> <p>Number of lessons – 3</p> <p>Programs – 2Graph</p>	<p>Unit 3.9 Presenting (with Microsoft PowerPoint or Google Slides)</p> <p>Number of Lessons – 5 or 6 (version dependent) Main Program – MS PowerPoint or Google Slides</p>

*The Spreadsheets Crash-Course has 4 lessons

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Year 4

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
	Digital Literacy	

*Most units will include aspects of all strands.

<p style="text-align: center;">Unit 4.1 Coding</p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p style="text-align: center;">Unit 4.2 Online safety</p> <p>Number of lessons – 4</p> <p>Programs – Various</p>	<p style="text-align: center;">Unit 4.3 Spreadsheets</p> <p>Number of lessons – 6</p> <p>Programs – 2Calculate</p>
<p style="text-align: center;">Unit 4.4 Writing for different audiences</p> <p>Number of lessons – 5</p> <p>Programs – 2Email, 2Connect, 2DIY</p>	<p style="text-align: center;">Unit 4.5 Logo</p> <p>Number of lessons – 4</p> <p>Programs – Logo</p>	<p style="text-align: center;">Unit 4.6 Animation</p> <p>Number of lessons – 3</p> <p>Programs – 2Animate</p>
<p style="text-align: center;">Unit 4.7 Effective Search</p> <p>Number of lessons – 3</p> <p>Programs – Browser</p>	<p style="text-align: center;">Unit 4.8 Hardware Investigators</p> <p>Number of lessons – 2</p>	<p style="text-align: center;">Unit 4.9 Making Music</p> <p>Number of Lessons – 4</p> <p>Main Program – Busy Beats</p>

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Year 5

Predominant Area of Computing*		
	Computer Science	
	Information Technology	
	Digital Literacy	




*Most units will include aspects of all strands.

<p style="text-align: center;">Unit 5.1 Coding</p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p style="text-align: center;">Unit 5.2 Online safety</p> <p>Number of lessons – 3</p> <p>Programs - Various</p>	<p style="text-align: center;">Unit 5.3 Spreadsheets</p> <p>Number of lessons – 6</p> <p>Programs – 2Calculate</p>
<p style="text-align: center;">Unit 5.4 Databases</p> <p>Number of lessons – 4</p> <p>Programs – 2Question, 2Investigate</p>	<p style="text-align: center;">Unit 5.5 Game Creator</p> <p>Number of lessons – 5</p> <p>Programs – 2DIY 3D</p>	<p style="text-align: center;">Unit 5.6 3D Modelling</p> <p>Number of lessons – 4</p> <p>Programs – 2Design and Make</p>
<p style="text-align: center;">Unit 5.7 Concept Maps</p> <p>Number of lessons – 4</p> <p>Programs – 2Connect</p>	<p style="text-align: center;">Unit 5.8 Word processing (with Microsoft Word or Google Docs)</p> <p>Number of Lessons – 8</p> <p>Main program – MS Word or Google Docs</p>	

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Year 6

Predominant Area of Computing*		
	Computer Science	
		
		Digital Literacy

*Most units will include aspects of all strands.

<p>Unit 6.1 Coding</p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p>Unit 6.2 Online safety</p> <p>Number of lessons – 2</p> <p>Programs - Various</p>	<p>Unit 6.3 Spreadsheets</p> <p>Number of lessons – 5</p> <p>Programs – 2Calculate</p>
<p>Unit 6.4 Blogging</p> <p>Number of lessons – 4</p> <p>Programs – 2Blog</p>	<p>Unit 6.5 Text Adventures</p> <p>Number of lessons – 5</p> <p>Programs – 2Code, 2Connect</p>	<p>Unit 6.6 Networks</p> <p>Number of lessons – 3</p>
<p>Unit 6.7 Quizzing</p> <p>Number of lessons – 6</p> <p>Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate</p>	<p>Unit 6.8 Understanding Binary</p> <p>Number of Lessons – 4</p> <p>Main Program – 2Code</p>	<p>Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets)</p> <p>Number of Lessons – 8 Main program – MS Excel or Google Sheets</p>

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