






# **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	5	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	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	Hardware Investigators
Number of lessons	6	3	6	4	5	4	4	8
Main tool	2Code		2Calculate	2Investigate	2DIY 3D	2Design & Make	2Connect	

## 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	Unit 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.

<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  Programs – 2Code	<b>Unit 1.8</b> <b>Spreadsheets</b>  Number of lessons – 3  Programs – 2Calculate	<b>Unit 1.9</b> <b>Technology outside school</b>  Number of lessons – 2  Programs – Various

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## Year 2

Predominant Area of Computing*		
	Computer Science	
		
		Digital Literacy




\*Most units will include aspects of all strands.

<b>Unit 2.1</b> <b>Coding</b>  Number of lessons – 5  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	<b>Unit 2.8</b> <b>Presenting Ideas</b>  Number of lessons – 4  Programs – Various	

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## Year 3

Predominant Area of Computing*		
	Computer Science	
		
		Digital Literacy




\*Most units will include aspects of all strands.

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

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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><b>Unit 4.1</b> <b>Coding</b></p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p><b>Unit 4.2</b> <b>Online safety</b></p> <p>Number of lessons – 4</p> <p>Programs – Various</p>	<p><b>Unit 4.3</b> <b>Spreadsheets</b></p> <p>Number of lessons – 6</p> <p>Programs – 2Calculate</p>
<p><b>Unit 4.4</b> <b>Writing for different audiences</b></p> <p>Number of lessons – 5</p> <p>Programs – 2Email, 2Connect, 2DIY</p>	<p><b>Unit 4.5</b> <b>Logo</b></p> <p>Number of lessons – 4</p> <p>Programs – Logo</p>	<p><b>Unit 4.6</b> <b>Animation</b></p> <p>Number of lessons – 3</p> <p>Programs – 2Animate</p>
<p><b>Unit 4.7</b> <b>Effective Search</b></p> <p>Number of lessons – 3</p> <p>Programs – Browser</p>	<p><b>Unit 4.8</b> <b>Hardware Investigators</b></p> <p>Number of lessons – 2</p>	<p><b>Unit 4.9</b> <b>Making Music</b></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><b>Unit 5.1</b> <b>Coding</b></p> <p>Number of lessons – 6</p> <p>Main Programs – 2Code</p>	<p><b>Unit 5.2</b> <b>Online safety</b></p> <p>Number of lessons – 3</p> <p>Programs - Various</p>	<p><b>Unit 5.3</b> <b>Spreadsheets</b></p> <p>Number of lessons – 6</p> <p>Programs – 2Calculate</p>
<p><b>Unit 5.4</b> <b>Databases</b></p> <p>Number of lessons – 4</p> <p>Programs – 2Question, 2Investigate</p>	<p><b>Unit 5.5</b> <b>Game Creator</b></p> <p>Number of lessons – 5</p> <p>Programs – 2DIY 3D</p>	<p><b>Unit 5.6</b> <b>3D Modelling</b></p> <p>Number of lessons – 4</p> <p>Programs – 2Design and Make</p>
<p><b>Unit 5.7</b> <b>Concept Maps</b></p> <p>Number of lessons – 4</p> <p>Programs – 2Connect</p>	<p><b>Unit 5.8</b> <b>Word processing (with Microsoft Word or Google Docs)</b></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		Information Technology		Digital Literacy

\*Most units will include aspects of all strands.

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

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# Tools by Unit

Year	Unit	Title	Tools used
Y1	1.1	Online Safety and Exploring Purple Mash	Avatar creator
			Paint Projects
			Writing Templates
			2Count (Pictograms)
			2Explore (Music)
	1.2	Grouping & Sorting	2Quiz
	1.3	Pictograms	2Connect (Mind Map)
			2Count (Pictograms)
	1.4	Lego Builders	Paint Projects
			Writing Templates
			2Quiz
	1.5	Maze Explorers	2Go (coding)
	1.6	Animated Stories	2Create a Story
	1.7	Coding	2Code
	1.8	Spreadsheets	2Calculate
	1.9	Technology Outside School	Writing Templates

Year	Unit	Title	Tools used
Y2	2.1	Coding	2Code
	2.2	Online Safety	Writing Templates
			Displayboards
			2Respond (2Email)
	2.3	Spreadsheets	2Calculate
	2.4	Questioning	2Question (Binary Databases)
			2Calculate (spreadsheet)
			2Investigate (database)
	2.5	Effective Searching	2Quiz
			Writing Templates

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	2.6	Creating Pictures	2Paint a Picture
			Writing Templates
	2.7	Making Music	2Sequence (Music)
	2.8	Presenting Ideas	2Connect (Mind Map)
			2Create a Story (ebook)
			2Quiz
			Writing Templates

Year	Unit	Title	Tools used
Y3	3.1	Coding	2Code
	3.2	Online Safety	2Connect (Mind Map)
			2Blog (Blogging)
			Writing Templates
			Displayboards
	3.3	Spreadsheets	2Calculate
	3.4	Typing	2Type
	3.5	Email	2Email
	3.6	Branching Databases	2Question (Binary Databases)
	3.7	Simulations	2Simulate
			Writing Templates
	3.8	Graphing	2Graph
			Writing Templates
			2Blog (Blogging)
	3.9	Presenting (with Microsoft PowerPoint or Google Slides)	Microsoft PowerPoint or Google Slides

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Year	Unit	Title	Tools used
Y4	4.1	Coding	2Code
	4.2	Online Safety	2Connect (Mind Map)
			2Publish Plus
			Displayboards
	4.3	Spreadsheets	2Calculate
	4.4	Writing for Different Audiences	Writing Templates
			2Simulate
			2Connect (Mind Map)
			2Publish Plus
	4.5	Logo	2Logo (text-based coding)
	4.6	Animation	2Animate
	4.7	Effective Searching	2Quiz
			2Connect (Mind Map)
	4.8	Hardware Investigators	2Quiz
			2Connect (Mind Map)
			Writing Templates
	4.9	Making Music	Busy Beats
			2Sequence
			Writing Templates

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Year	Unit	Title	Tools used
Y5	5.1	Coding	2Code
	5.2	Online Safety	2Publish Plus
			Writing Templates
			Displayboards
			2Connect (Mind Map)
	5.3	Spreadsheets	2Calculate
	5.4	Databases	2Investigate (database)
			Avatar creator
	5.5	Game Creator	2DIY 3D
			Writing Templates
			2Blog (Blogging)
	5.6	3D Modelling	2Design and Make
			Writing Templates
	5.7	Concept Maps	2Connect (Mind Map)
	5.8	Word Processing (with Microsoft Word or Google Docs)	MS Word or Google Docs

Year	Unit	Title	Tools used
Y6	6.1	Coding	2Code
	6.2	Online Safety	2DIY 3D 2DIY 2Code
			2Blog (Blogging)
	6.3	Spreadsheets	2Calculate
	6.4	Blogging	2Blog (Blogging)
	6.5	Text Adventures	2Code
			2Connect (Mind Map)
			Writing Templates
	6.6	Networks	2Connect (Mind Map)
			Writing Templates
	6.7	Quizzing	2DIY
			2Quiz
			Text Toolkit

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			2Investigate (database)
	6.8	Understanding Binary	2Connect (Mind Map)
			2Question (Binary Databases)
			Writing Templates
			2Code
	6.9	Spreadsheets (with Microsoft Excel or Google Sheets)	MS Excel or Google Sheets