

Class & cycle	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Class 2 Cycle A</b>	<u>Unit 1.1</u> <u>Online Safety &amp; Exploring Purple Mash</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs - Various</li> </ul> <u>Unit 2.5 Effective Searching</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs - Browser</li> </ul>	<u>Unit 1.4 Lego Builders</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2DIY</li> </ul> <u>Unit 1.9 Technology outside school</u> <ul style="list-style-type: none"> <li>Number of lessons – 2</li> <li>Programs – Various</li> </ul>	<u>Unit 1.2 Grouping &amp; Sorting</u> <ul style="list-style-type: none"> <li>Number of lessons – 2</li> <li>Programs – 2DIY</li> </ul> <u>Unit 2.6 Creating Pictures</u> <ul style="list-style-type: none"> <li>Number of lessons – 5</li> <li>Programs - 2PaintAPicture</li> </ul>	<u>Unit 1.8 Spreadsheets</u> <ul style="list-style-type: none"> <li>Number of lessons – 3 Programs – 2Calculate</li> </ul>	<u>Unit 1.7 Coding</u> <ul style="list-style-type: none"> <li>Number of lessons – 6 Programs – 2Code</li> </ul>	<u>Unit 2.1 Coding</u> <ul style="list-style-type: none"> <li>Number of lessons – 5 Programs – 2Code</li> </ul>
<b>Class 2 Cycle B</b>	<u>Unit 1.1</u> <u>Online Safety &amp; Exploring Purple Mash</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – Various</li> </ul>	<u>Unit 1.5 Maze Explorers</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2Go</li> </ul> <u>Unit 2.4 Questioning</u> <ul style="list-style-type: none"> <li>Number of lessons – 5</li> </ul>	<u>Unit 2.2 Online Safety</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – Various</li> </ul> <u>Unit 1.6 Animated Story Books</u> <ul style="list-style-type: none"> <li>Number of lessons – 5</li> </ul>	<u>Unit 2.7 Making Music</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2Sequence</li> </ul> <u>Unit 1.3 Pictograms</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> </ul>	<u>Unit 2.3 Spreadsheets</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – 2Calculate</li> </ul>	<u>Unit 2.8 Presenting Ideas</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – Various</li> </ul>

		<ul style="list-style-type: none"> <li>Programs – 2Question, 2Investigate</li> </ul>	<ul style="list-style-type: none"> <li>Programs – 2Create A Story</li> </ul>	<ul style="list-style-type: none"> <li>Programs – 2Count</li> </ul>		
<b>Class 3 Cycle A</b>	<u>Unit 3.2 Online safety</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – Various</li> </ul>	<u>Coding</u> <ul style="list-style-type: none"> <li>Number of lessons – 6 Main</li> <li>Programs – 2Code</li> <li>See table below for breakdown.</li> </ul>	<u>Unit 3.3 Spreadsheets</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2Calculate</li> </ul> <u>Unit 3.4 Touch Typing</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – 2Type</li> </ul>	<u>Unit 3.5 Email (including email safety)</u> <ul style="list-style-type: none"> <li>Number of lessons – 6</li> <li>Programs – 2Email, 2Connect, 2DIY</li> </ul>	<u>Unit 3.6 Branching Databases</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – 2Question</li> </ul>	<u>Unit 3.7 Simulations</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2Simulate, 2Publish</li> </ul> <u>Unit 3.8 Graphing</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – 2Graph</li> </ul>
<b>Class 3 Cycle B</b>	<u>Unit 4.2 Online safety</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – Various</li> </ul>	<u>Coding</u> <ul style="list-style-type: none"> <li>Number of lessons – 6 Main</li> <li>Programs – 2Code</li> <li>See table below for breakdown.</li> </ul>	<u>Unit 4.3 Spreadsheets</u> <ul style="list-style-type: none"> <li>Number of lessons – 6</li> <li>Programs – 2Calculate</li> </ul>	<u>Unit 4.4 Writing for different audiences</u> <ul style="list-style-type: none"> <li>Number of lessons – 5</li> <li>Programs – 2Email, 2Connect, 2DIY</li> </ul>	<u>Unit 4.5 Logo</u> <ul style="list-style-type: none"> <li>Number of lessons – 4</li> <li>Programs – Logo</li> </ul> <u>Unit 4.6 Animation</u>	<u>Unit 4.7 Effective Search</u> <ul style="list-style-type: none"> <li>Number of lessons – 3</li> <li>Programs – Browser</li> </ul> <u>Unit 4.8 Hardware Investigators</u>

- Number of lessons – 3
- Programs – 2  
Animate

- Number of lessons – 2

### Coding Breakdown

YEAR 3 & 4 - CYCLE A					
Using Flowcharts Unit 3.1, Lesson 1	Using Timers Unit 3.1, Lesson 2	'if' statements Unit 4.1, Lesson 2	Coordinates Unit 4.1, Lesson 3	Code, Test and Debug – Unit 3.1, Lesson 4	Design, Code, Test and Debug Unit 4.1, Lesson 1
YEAR 3 & 4 - CYCLE B					
Using Repeat Unit 3.1, Lesson 3	Repeat Until and 'if/else' Statements Unit 4.1, Lesson 4	Number Variables Unit 4.1, Lesson 5	Design and Make an Interactive scene Unit 3.1, Lesson 5-6	Making a Playable game – Unit 4.1, Lesson 6	

Following units may be used if time permits you:

#### Unit 3.9 Presenting (with Microsoft PowerPoint or Google Slides)

- Number of Lessons – 5 or 6 (version dependent)
- Main Program – MS PowerPoint or Google Slides

#### Unit 4.9 Making Music

- Number of Lessons – 4
- Main Program – Busy Beats

<p><b>Class 4 Cycle A</b></p>	<p><u>Unit 5.2 Online safety</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 3</li> <li>• Programs - Various</li> </ul> <p><u>Unit 5.4 Databases</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 4</li> <li>• Programs – 2Question, 2Investigate</li> </ul>	<p><u>Coding</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 6</li> <li>• Main Programs – 2Code</li> <li>• See table below for breakdown.</li> </ul>	<p><u>Unit 5.3 Spreadsheets</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 6</li> <li>• Programs – 2Calculate</li> </ul>	<p><u>Unit 5.5 Game Creator</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 5</li> <li>• Programs – 2DIY 3D</li> </ul>	<p><u>Unit 5.6 3D Modelling</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 4</li> <li>• Programs – 2Design and Make</li> </ul>	<p><u>Unit 5.7 Concept Maps</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 4</li> <li>• Programs – 2Connect</li> </ul>
<p><b>Class 4 Cycle B</b></p>	<p><u>Unit 6.2 Online safety</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 2</li> <li>• Programs - Various</li> </ul>	<p><u>Coding</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 6</li> <li>• Main Programs – 2Code</li> <li>• See table below for breakdown.</li> </ul>	<p><u>Unit 6.4 Blogging</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 4</li> <li>• Programs – 2Blog</li> </ul>	<p><u>Unit 6.6 Networks</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 3</li> </ul>	<p><u>Unit 6.5 Text Adventures</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 5</li> <li>• Programs – 2Code,</li> </ul>	<p><u>Unit 6.7 Quizzing</u></p> <ul style="list-style-type: none"> <li>• Number of lessons – 6</li> <li>• Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate</li> </ul>

### Coding Breakdown

YEAR 5 & 6 - CYCLE A					
Coding Efficiently Unit 5.1, Lesson 1	Simulating a physical system Unit 5.1, Lesson 2	Friction and Functions Unit 5.1, Lesson 4	Introducing Strings Unit 5.1, Lesson 5	Text Variable and Concatenation Unit 5.1, Lesson 6	User Input Unit 6.1, Lesson 5
YEAR 5 & 6 - CYCLE B					
Designing and writing a more complex program Unit 6.1, Lessons 1 & 2		Decomposition and Abstraction Unit 5.1, Lesson 3	Using Functions Unit 6.1, Lesson 3	Flowcharts and control simulations Unit 6.1, Lesson 4	Text Adventure Unit 6.1, Lesson 6

Following units may be used if time permits you:

#### Unit 5.8 Word processing (with Microsoft Word or Google Docs)

- Number of Lessons – 8
- Main program – MS Word or Google Docs

#### Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets)

- Number of Lessons – 8
- Main program – MS Excel or Google Sheets

#### Unit 6.8 Understanding Binary

- Number of Lessons – 4
- Main Program – 2Code

#### Predominant Area of Computing\*

 Computer Science	 Information Technology	 Digital Literacy
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\*Most units will include aspects of all strands.

