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.

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

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Year 2

Predominant Area of Computing*		
■ Computer Science	■ Information Technology	■ Digital Literacy

*Most units will include aspects of all strands.

Unit 2.1 **Coding** Number of lessons – 6 **Programs** – 2Code	**Unit 2.2** **Online Safety** Number of lessons – 3 **Programs** – Various	**Unit 2.3** **Spreadsheets** Number of lessons – 4 **Programs** – 2Calculate
Unit 2.4 **Questioning** Number of lessons – 5 **Programs** – 2Question, 2Investigate	**Unit 2.5** **Effective Searching** Number of lessons – 3 **Programs** – Browser	**Unit 2.6** **Creating Pictures** Number of lessons – 5 **Programs** – 2PaintAPicture
Unit 2.7 **Making Music** Number of lessons – 3 **Programs** – 2Sequence	**Unit 2.8** **Presenting Ideas** Number of lessons – 4 **Programs** – Various	

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Year 3\4 – Cycle A

Predominant Area of Computing*		
🟥 Computer Science	🟦 Information Technology	🟨 Digital Literacy

*Most units will include aspects of all strands.

Coding	Unit 3.2	Unit 3.3
	Online safety	Spreadsheets
Number of lessons – 6		
Main Programs – 2Code	Number of lessons – 3	Number of lessons – 3
See table below for breakdown.	Programs – Various	Programs – 2Calculate

Unit 3.4	Unit 3.5	Unit 3.6
Touch Typing	Email (including email safety)	Branching Databases
	Number of lessons – 6	
Number of lessons – 4		Number of lessons – 4
Programs – 2Type	Programs – 2Email, 2Connect, 2DIY	Programs – 2Question

Unit 3.7	Unit 3.8
Simulations	Graphing
Number of lessons – 3	Number of lessons – 3
Programs – 2Simulate, 2Publish	Programs – 2Graph

Year 3\4 – Cycle B

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

*Most units will include aspects of all strands.

Coding	Unit 4.2	Unit 4.3
Coding	**Online safety**	**Spreadsheets**
Number of lessons – 6	Number of lessons – 4	Number of lessons – 6
Main Programs – 2Code	Programs – Various	Programs – 2Calculate
See table below for breakdown.		

Unit 4.4	Unit 4.5	Unit 4.6
Writing for different audiences	**Logo**	**Animation**
Number of lessons – 5	Number of lessons – 4	Number of lessons – 3
Programs – 2Email, 2Connect, 2DIY	Programs – Logo	Programs – 2Animate

Unit 4.7	Unit 4.8	
Effective Search	**Hardware Investigators**	
Number of lessons – 3	Number of lessons – 2	
Programs – Browser		

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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

Additional Units

You may choose to do these in addition to or instead of any of the above units. They have not been included above due to the number of weeks in a school year and the number of weeks for each unit.

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

Year 5\6 – Cycle A

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

*Most units will include aspects of all strands.

Coding

Number of lessons – 6

Main Programs – 2Code

See table below for breakdown.

Unit 5.2

Online safety

Number of lessons – 3

Programs - Various

Unit 5.3

Spreadsheets

Number of lessons – 6

Programs – 2Calculate

Unit 5.4

Databases

Number of lessons – 4

Programs – 2Question, 2Investigate

Unit 5.5

Game Creator

Number of lessons – 5

Programs – 2DIY 3D

Unit 5.6

3D Modelling

Number of lessons – 4

Programs – 2Design and Make

Unit 5.7

Concept Maps

Number of lessons – 4

Programs – 2Connect

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Year 5\6 – Cycle B

Predominant Area of Computing*		
Computer Science	Information Technology	Digital Literacy

*Most units will include aspects of all strands.

Coding	Unit 6.2	Unit 6.3
Number of lessons – 6 **Main Programs** – 2Code **See table below for breakdown.**	**Online safety** **Number of lessons** – 2 **Programs** - Various	**Spreadsheets** **Number of lessons** – 5 **Programs** –
Unit 6.4	Unit 6.5	Unit 6.6
Blogging **Number of lessons** – 4 **Programs** – 2Blog	**Text Adventures** **Number of lessons** – 5 **Programs** – 2Code, 2Connect	**Networks** **Number of lessons** – 3
Unit 6.7		
Quizzing **Number of lessons** – 6 **Programs** – 2Quiz, 2DIY, Text Toolkit, 2Investigate		

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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

Additional Units

You may choose to do these in addition to or instead of any of the above units. They have not been included above due to the number of weeks in a school year and the number of weeks for each unit.

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