Keystage 1

Year 1\2 - Cycle A

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

*Most units will include aspects of all strands.

Unit 1.1 Online Safety & Exploring Purple Mash Number of lessons – 4 Programs – Various	Unit 1.5 Maze Explorers Number of lessons – 3 Programs – 2Go	Unit 2.4 Questioning Number of lessons – 5 Programs – 2Question, 2Investigate
Unit 2.2 Online Safety Number of lessons – 3 Programs – Various	Unit 1.6 Animated Story Books Number of lessons – 5 Programs – 2Create A Story	Unit 2.7 Making Music Number of lessons – 3 Programs – 2Sequence
Unit 2.3 Spreadsheets Number of lessons – 4 Programs – 2Calculate	Unit 1.3 Pictograms Number of lessons – 3 Programs – 2Count	Unit 2.8 Presenting Ideas Number of lessons – 4 Programs – Various

Year 1\2 - Cycle B

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

*Most units will include aspects of all strands.

Unit 1.1 Online Safety & Exploring Purple Mash Number of lessons – 4 Programs - Various	**Unit 2.5** Effective Searching Number of lessons – 3 Programs - Browser	**Unit 1.4** Lego Builders Number of lessons – 3 Programs - 2DIY
Unit 1.9 Technology outside school Number of lessons - 2 Programs - Various	**Unit 1.2** Grouping & Sorting Number of lessons - 2 Programs - 2DIY	**Unit 2.6** Creating Pictures Number of lessons – 5 Programs – 2PaintAPicture
Unit 1.8 Spreadsheets Number of lessons – 3 Programs - 2Calculate	**Unit 1.7** Coding Number of lessons – 6 Programs – 2Code	**Unit 2.1** Coding Number of lessons – 5 Programs – 2Code

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

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		

Lower Keystage 1

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 3.2	Unit 3.3
Coding Number of lessons - 6 Main Programs - 2Code See table below for breakdown.	**Online safety** Number of lessons - 3 Programs - Various	**Spreadsheets** Number of lessons - 3 Programs - 2Calculate
Unit 3.4 Touch Typing Number of lessons - 4 Programs - 2Type	**Unit 3.5** Email (including email safety) Number of lessons - 6 Programs - 2Email, 2Connect, 2DIY	**Unit 3.6** Branching Databases Number of lessons - 4 Programs - 2Question
Unit 3.7 Simulations Number of lessons - 3 Programs - 2Simulate, 2Publish	**Unit 3.8** Graphing Number of lessons - 3 Programs - 2Graph	

Coding Breakdown

YEAR 3 & 4 - CYCLE A				
1 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

YEAR 3 & 4 - CYCLE B					
Using Flowcharts Unit 3.1, Lesson	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

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

Upper Keystage 2

Year 5\6 - Cycle A

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

Year 5/6 – Cycle B

Coding	Unit 5.2	Unit 5.3
Number of lessons - 6	Online safety	Spreadsheets
Main Programs - 2Code	Number of lessons – 3	Number of lessons - 6
See table below for breakdown.	Programs - Various	Programs - 2Calculate
Unit 5.4	**Unit 5.5**	**Unit 5.6**
Databases	Game Creator	3D Modelling
Number of lessons – 4	Number of lessons - 5	Number of lessons – 4
Programs - 2Question, 2Investigate	Programs - 2DIY 3D	Programs – 2Design and Make
Unit 5.7		
Concept Maps		
Number of lessons – 4		
Programs - 2Connect		

Coding Breakdown

YEAR 5 & 6 - CYCLE A				
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
YEAR 5 & 6 - CYCLE B				
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

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 foreach 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