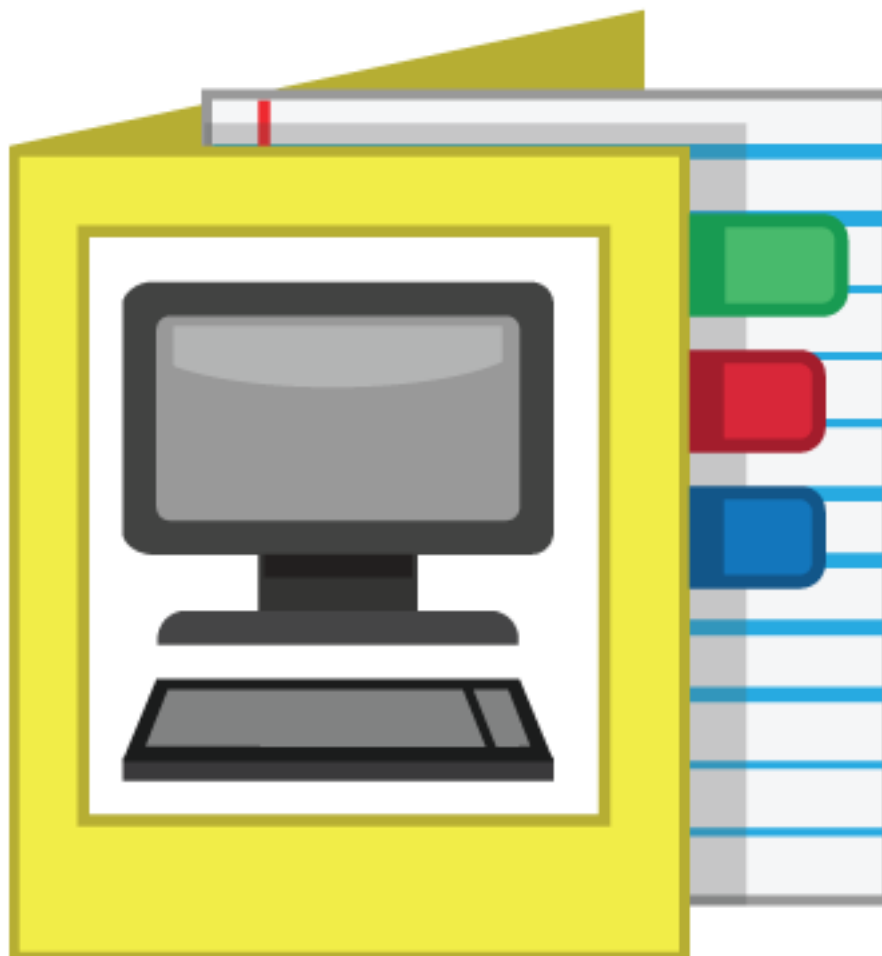




# Computing

## Scheme of Work

### Overview



# Introduction

This document contains an overview of the units included in the Purple Mash Computing Scheme of Work for all year groups.

Individual year group overview documents detail the unit lessons for that year group and contain relevant curriculum maps for England, Wales, Scotland and Northern Ireland.

Year group pages also contain assessment documents for these units.

These can be found by clicking the following links or from the Purple Mash Computing Scheme of Work page.

[Year 1](#)

[Year 2](#)

[Year 3](#)

[Year 4](#)

[Year 5](#)

[Year 6](#)

[Mixed Age Classes](#)

The Purple Mash tools used within each unit are detailed in the [Tools section](#) below.

To make the best use of the scheme, children need to be logged onto Purple Mash with their own individual usernames and passwords, so their work will be saved in their own folders automatically and can be easily reviewed and assessed by the class teacher. If children have not used and logged onto Purple Mash before then they will need to spend some time before starting these lessons, learning how to do this. Children can be supported by having their printed logon cards (produced using [Create and Manage Users](#)) to hand.









Lesson plans also make use of the facility within Purple Mash to set activities for pupils which they can then complete and hand-in online (2Dos). This enables you to assess their work easily as well as distribute resources to all pupils. If children have not opened 2Dos before then they will need more detailed instructions about how to do this. A teacher's guide to 2Dos can be found in the teacher's section: [2Dos Guide](#).

If you are currently using a single login per class or group and would like to set up individual logins yourself, then please see our guide to doing so at [Create and Manage Users](#). Alternatively, please contact support at [support@2simple.com](mailto:support@2simple.com) or 0208 203 1781.

To force links within this document to open in a new tab, right-click on the link then select 'Open link in new tab'.

# Units by Year Group – Single Age Classes

## Theme Key:

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
|  Coding and Computational thinking |  Spreadsheets |  Internet and Email |  Art and Design |  Music |  Databases and graphing |  Writing and Presenting |  Communication and networks |
|--|--|--|--|---|--|--|--|

| Week   | 1  | 2 | 3 | 4 | 5  | 6 | 7  | 8 | 9   | 10 | 11  | 12 | 13  | 14 | 15 | 16  | 17 | 18 | 19   | 20 | 21   | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|--------|--|---|---|---|--|---|--|---|---|----|---|----|---|----|----|---|----|----|--|----|--|----|----|----|----|----|----|----|----|----|----|
| YEAR 1 | Unit 1.1<br>Online Safety & Exploring Purple Mash<br>Weeks – 4<br>Programs – Various |   |   |   | Unit 1.2<br>Grouping & Sorting<br>Weeks – 2<br>Programs – 2DIY |   | Unit 1.3<br>Pictograms<br>Weeks – 3<br>Programs – 2Count |   | Unit 1.4<br>Lego Builders<br>Weeks – 3<br>Programs – 2DIY |    | Unit 1.5<br>Maze Explorers<br>Weeks – 3<br>Programs – 2Go |    | Unit 1.6<br>Animated Story Books<br>Weeks – 5<br>Programs – 2Create A Story |    |    | Unit 1.7<br>Coding<br>Weeks – 6<br>Programs – 2Code |    |    | Unit 1.8<br>Spreadsheets<br>Weeks – 3<br>Programs – 2Calculate |    | Unit 1.9<br>Technology outside school<br>Weeks – 2<br>Programs – Various |    |    |    |    |    |    |    |    |    |    |

| Week   | 1   | 2 | 3 | 4 | 5 | 6  | 7 | 8  | 9 | 10 | 11   | 12 | 13 | 14 | 15   | 16 | 17  | 18 | 19 | 20  | 21 | 22  | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|--------|---|---|---|---|---|--|---|--|---|----|--|----|----|----|--|----|---|----|----|---|----|---|----|----|----|----|----|----|----|----|----|----|
| YEAR 2 | Unit 2.1<br>Coding<br>Weeks – 5<br>Programs – 2Code |   |   |   |   | Unit 2.2<br>Online Safety<br>Weeks – 3<br>Programs – Various |   | Unit 2.3<br>Spreadsheets<br>Weeks – 4<br>Programs – 2Calculate |   |    | Unit 2.4<br>Questioning<br>Weeks – 5<br>Programs – 2Question, 2Investigate |    |    |    | Unit 2.5<br>Effective Searching<br>Weeks – 3<br>Programs – Browser |    | Unit 2.6<br>Creating Pictures<br>Weeks – 5<br>Programs – 2PaintAPicture |    |    | Unit 2.7<br>Making Music<br>Weeks – 3<br>Programs – 2Sequence |    | Unit 2.8<br>Presenting Ideas<br>Weeks – 4<br>Programs – Various |    |    |    |    |    |    |    |    |    |    |

| Week                  | 1                   | 2 | 3 | 4 | 5 | 6                  | 7                         | 8 | 9                     | 10                       | 11                       | 12               | 13                       | 14 | 15                                 | 16                                | 17  | 18                 | 19                       | 20              | 21                          | 22                                 | 23                  | 24                             | 25                       | 26                 | 27                           | 28 | 29                                 | 30 | 31 | 32 |    |
|-----------------------|---------------------|---|---|---|---|--------------------|---------------------------|---|-----------------------|--------------------------|--------------------------|------------------|--------------------------|----|------------------------------------|-----------------------------------|---|--------------------|--------------------------|-----------------|-----------------------------|------------------------------------|---------------------|--------------------------------|--------------------------|--------------------|------------------------------|----|------------------------------------|----|----|----|----|
| YEAR 3                | Unit 3.1<br>Coding  |   |   |   |   |                    | Unit 3.2<br>Online safety |   |                       | Unit 3.3<br>Spreadsheets |                          |                  | Unit 3.4<br>Touch Typing |    |                                    |                                   | Unit 3.5<br>Email<br>(including email safety) |                    |                          |                 |                             | Unit 3.6<br>Branching<br>Databases |                     |                                | Unit 3.7<br>Simulations  |                    | Unit 3.8<br>Graphing         |    |                                    |    |    |    |    |
|                       | Number of Weeks – 6 |   |   |   |   |                    | Weeks – 3                 |   |                       | Weeks – 3                |                          |                  | Weeks – 4                |    |                                    |                                   | Weeks – 6                                     |                    |                          |                 |                             | Weeks – 4                          |                     |                                | Weeks – 3                |                    | Weeks – 3                    |    |                                    |    |    |    |    |
| Main Programs – 2Code |                     |   |   |   |   | Programs – Various |                           |   | Programs – 2Calculate |                          |                          | Programs – 2Type |                          |    |                                    | Programs – 2Email, 2Connect, 2DIY |   |                    |                          |                 | Programs – 2Question        |                                    |                     | Programs – 2Simulate, 2Publish |                          | Programs – 2Graph  |                              |    |                                    |    |    |    |    |
| Week                  | 1                   | 2 | 3 | 4 | 5 | 6                  | 7                         | 8 | 9                     | 10                       | 11                       | 12               | 13                       | 14 | 15                                 | 16                                | 17  | 18                 | 19                       | 20              | 21                          | 22                                 | 23                  | 24                             | 25                       | 26                 | 27                           | 28 | 29                                 | 30 | 31 | 32 | 33 |
| YEAR 4                | Unit 4.1<br>Coding  |   |   |   |   |                    | Unit 4.2<br>Online safety |   |                       |                          | Unit 4.3<br>Spreadsheets |                  |                          |    |                                    |                                   | Unit 4.4<br>Writing for different audiences   |                    |                          |                 | Unit 4.5<br>Logo            |                                    |                     | Unit 4.6<br>Animation          |                          |                    | Unit 4.7<br>Effective Search |    | Unit 4.8<br>Hardware Investigators |    |    |    |    |
|                       | Number of Weeks – 6 |   |   |   |   |                    | Weeks – 4                 |   |                       |                          | Weeks – 6                |                  |                          |    |                                    |                                   | Weeks – 5                                     |                    |                          |                 | Weeks – 4                   |                                    |                     | Weeks – 3                      |                          |                    | Weeks – 3                    |    | Weeks – 2                          |    |    |    |    |
| Main Programs – 2Code |                     |   |   |   |   | Programs – Various |                           |   |                       | Programs – 2Calculate    |                          |                  |                          |    |                                    | Programs – 2Email, 2Connect, 2DIY |   |                    |                          | Programs – Logo |                             |                                    | Programs – 2Animate |                                |                          | Programs – Browser |                              |    |                                    |    |    |    |    |
| Week                  | 1                   | 2 | 3 | 4 | 5 | 6                  | 7                         | 8 | 9                     | 10                       | 11                       | 12               | 13                       | 14 | 15                                 | 16                                | 17  | 18                 | 19                       | 20              | 21                          | 22                                 | 23                  | 24                             | 25                       | 26                 | 27                           | 28 | 29                                 | 30 | 31 | 32 |    |
| YEAR 5                | Unit 5.1<br>Coding  |   |   |   |   |                    | Unit 5.2<br>Online safety |   |                       | Unit 5.3<br>Spreadsheets |                          |                  |                          |    |                                    | Unit 5.4<br>Databases             |   |                    | Unit 5.5<br>Game Creator |                 |                             | Unit 5.6<br>3D Modelling           |                     |                                | Unit 5.7<br>Concept Maps |                    |                              |    |                                    |    |    |    |    |
|                       | Number of Weeks – 6 |   |   |   |   |                    | Weeks – 3                 |   |                       | Weeks – 6                |                          |                  |                          |    |                                    | Weeks – 4                         |   |                    | Weeks – 5                |                 |                             | Weeks – 4                          |                     |                                | Weeks – 4                |                    |                              |    |                                    |    |    |    |    |
| Main Programs – 2Code |                     |   |   |   |   | Programs – Various |                           |   | Programs – 2Calculate |                          |                          |                  |                          |    | Programs – 2Question, 2Investigate |                                   |   | Programs – 2DIY 3D |                          |                 | Programs – 2Design and Make |                                    |                     | Programs – 2Connect            |                          |                    |                              |    |                                    |    |    |    |    |

| Week    | 1                          | 2 | 3 | 4 | 5 | 6 | 7                                 | 8 | 9 | 10                               | 11 | 12 | 13 | 14 | 15                           | 16 | 17 | 18 | 19                                  | 20 | 21 | 22                           | 23 | 24   | 25 | 26 | 27 | 28 | 29 | 30 | 31 | 32 |
|---------|----------------------------|---|---|---|---|---|-----------------------------------|---|---|----------------------------------|----|----|----|----|------------------------------|----|----|----|-------------------------------------|----|----|------------------------------|----|--|----|----|----|----|----|----|----|----|
| YEAR 6* | <b>Unit 6.1<br/>Coding</b> |   |   |   |   |   | <b>Unit 6.2<br/>Online safety</b> |   |   | <b>Unit 6.3<br/>Spreadsheets</b> |    |    |    |    | <b>Unit 6.4<br/>Blogging</b> |    |    |    | <b>Unit 6.5<br/>Text Adventures</b> |    |    | <b>Unit 6.6<br/>Networks</b> |    | <b>Unit 6.7<br/>Quizzing</b>                       |    |    |    |    |    |    |    |    |
|         | Number of Weeks – 6        |   |   |   |   |   | Weeks – 2                         |   |   | Weeks – 5                        |    |    |    |    | Weeks – 5                    |    |    |    | Weeks – 5                           |    |    | Weeks – 3                    |    | Weeks – 6  |    |    |    |    |    |    |    |    |
|         | Main Programs – 2Code      |   |   |   |   |   | Programs - Various                |   |   | Programs – 2Calculate            |    |    |    |    | Programs – 2Blog             |    |    |    | Programs – 2Code, 2Connect          |    |    |                              |    | Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate |    |    |    |    |    |    |    |    |

\* There is an optional unit 6.8 – Understanding Binary that can be used in addition to the above units. It is a four week unit.

# Units by Year Group – Mixed Age Classes

## Theme Key:

|  |  |  |  |   |  |  |  |
|--|--|--|--|---|--|--|--|
|  Coding and Computational thinking |  Spreadsheets |  Internet and Email |  Art and Design |  Music |  Databases and graphing |  Writing and Presenting |  Communication and networks |
|--|--|--|--|---|--|--|--|

In Year 1 and 2 coding, the lessons need to be taught in sequence as each lesson introduces skills that are consolidated and developed in the next lesson. Therefore, it is proposed to teach coding for 11 weeks in Cycle A and none in Cycle B. It is also beneficial for all children to recap unit 1.1 in both cycles as this introduces children new to the class with key skills needed to make the most of Purple Mash.

| Week                 | 1  | 2 | 3 | 4 | 5  | 6 | 7 | 8   | 9 | 10 | 11   | 12 | 13   | 14 | 15  | 16 | 17 | 18 | 19   | 20 | 21  | 22 | 23 | 24 | 25  | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 |
|----------------------|--|---|---|---|--|---|---|---|---|----|--|----|--|----|---|----|----|----|--|----|---|----|----|----|---|----|----|----|----|----|----|----|----|
| YEAR 1 & 2 – CYCLE A | Unit 1.1<br>Online Safety & Exploring Purple Mash<br>Weeks – 4<br>Programs – Various |   |   |   | Unit 2.5<br>Effective Searching<br>Weeks – 3<br>Programs – Browser |   |   | Unit 1.4<br>Lego Builders<br>Weeks – 3<br>Programs – 2DIY |   |    | Unit 1.9<br>Technology outside school<br>Weeks – 2<br>Programs – Various |    | Unit 1.2<br>Grouping & Sorting<br>Weeks – 2<br>Programs – 2DIY |    | Unit 2.6<br>Creating Pictures<br>Weeks – 5<br>Programs – 2PaintAPicture |    |    |    | Unit 1.8<br>Spreadsheets<br>Weeks – 3<br>Programs – 2Calculate |    | Unit 1.7<br>Coding<br>Weeks – 6<br>Programs – 2Code |    |    |    | Unit 2.1<br>Coding<br>Weeks – 5<br>Programs – 2Code |    |    |    |    |    |    |    |    |

| Week                 | 1  | 2 | 3 | 4 | 5   | 6 | 7 | 8  | 9 | 10 | 11 | 12 | 13   | 14 | 15  | 16 | 17 | 18 | 19  | 20 | 21   | 22 | 23   | 24 | 25  | 26 | 27 | 28 | 29 | 30 | 31 | 32 | 33 | 34 |
|----------------------|--|---|---|---|---|---|---|--|---|----|----|----|--|----|---|----|----|----|---|----|--|----|--|----|---|----|----|----|----|----|----|----|----|----|
| YEAR 1 & 2 – CYCLE B | Unit 1.1<br>Online Safety & Exploring Purple Mash<br>Weeks – 4<br>Programs – Various |   |   |   | Unit 1.5<br>Maze Explorers<br>Weeks – 3<br>Programs – 2Go |   |   | Unit 2.4<br>Questioning<br>Weeks – 5<br>Programs – 2Question, 2Investigate |   |    |    |    | Unit 2.2<br>Online Safety<br>Weeks – 3<br>Programs – Various |    | Unit 1.6<br>Animated Story Books<br>Weeks – 5<br>Programs – 2Create A Story |    |    |    | Unit 2.7<br>Making Music<br>Weeks – 3<br>Programs – 2Sequence |    | Unit 2.3<br>Spreadsheets<br>Weeks – 4<br>Programs – 2Calculate |    | Unit 1.3<br>Pictograms<br>Weeks – 3<br>Programs – 2Count |    | Unit 2.8<br>Presenting Ideas<br>Weeks – 4<br>Programs – Various |    |    |    |    |    |    |    |    |    |

| Week               | 1                             | 2 | 3 | 4 | 5 | 6 | 7                         | 8 | 9 | 10                       | 11 | 12 | 13                       | 14 | 15 | 16   | 17  | 18 | 19 | 20               | 21 | 22                                 | 23 | 24                              | 25                                | 26                                    | 27                   | 28 | 29 | 30 | 31 | 32 |    |
|--------------------|-------------------------------|---|---|---|---|---|---------------------------|---|---|--------------------------|----|----|--------------------------|----|----|--|---|----|----|------------------|----|------------------------------------|----|---------------------------------|-----------------------------------|---------------------------------------|----------------------|----|----|----|----|----|----|
| YEAR 3 & 4 CYCLE A | Coding                        |   |   |   |   |   | Unit 3.2<br>Online safety |   |   | Unit 3.3<br>Spreadsheets |    |    | Unit 3.4<br>Touch Typing |    |    |  | Unit 3.5<br>Email<br>(including email safety) |    |    |                  |    | Unit 3.6<br>Branching<br>Databases |    |                                 | Unit 3.7<br>Simulations           |                                       | Unit 3.8<br>Graphing |    |    |    |    |    |    |
|                    | Number of Weeks – 6           |   |   |   |   |   | Weeks – 3                 |   |   | Weeks – 3                |    |    | Weeks – 4                |    |    |  | Weeks – 6                                     |    |    |                  |    | Weeks – 4                          |    |                                 | Weeks – 3                         |                                       | Weeks – 3            |    |    |    |    |    |    |
|                    | Main Programs – 2Code         |   |   |   |   |   | Programs – Various        |   |   | Programs – 2Calculate    |    |    | Programs – 2Type         |    |    |  | Programs – 2Email,<br>2Connect, 2DIY          |    |    |                  |    | Programs – 2Question               |    |                                 | Programs – 2Simulate,<br>2Publish |                                       | Programs – 2Graph    |    |    |    |    |    |    |
|                    | See table below for breakdown |   |   |   |   |   |                           |   |   |                          |    |    |                          |    |    |  |   |    |    |                  |    |                                    |    |                                 |                                   |                                       |                      |    |    |    |    |    |    |
| Week               | 1                             | 2 | 3 | 4 | 5 | 6 | 7                         | 8 | 9 | 10                       | 11 | 12 | 13                       | 14 | 15 | 16   | 17  | 18 | 19 | 20               | 21 | 22                                 | 23 | 24                              | 25                                | 26                                    | 27                   | 28 | 29 | 30 | 31 | 32 | 33 |
| YEAR 3 & 4 CYCLE B | Coding                        |   |   |   |   |   | Unit 4.2<br>Online safety |   |   | Unit 4.3<br>Spreadsheets |    |    |                          |    |    | Unit 4.4<br>Writing for different<br>audiences |   |    |    | Unit 4.5<br>Logo |    | Unit 4.6<br>Animation              |    | Unit 4.7<br>Effective<br>Search |                                   | Unit 4.8<br>Hardware<br>Investigators |                      |    |    |    |    |    |    |
|                    | Number of Weeks – 6           |   |   |   |   |   | Weeks – 4                 |   |   | Weeks – 6                |    |    |                          |    |    | Weeks – 5                                      |   |    |    | Weeks – 4        |    | Weeks – 3                          |    | Weeks – 3                       |                                   | Weeks – 2                             |                      |    |    |    |    |    |    |
|                    | Main Programs – 2Code         |   |   |   |   |   | Programs – Various        |   |   | Programs – 2Calculate    |    |    |                          |    |    | Programs – 2Email,<br>2Connect, 2DIY           |   |    |    | Programs – Logo  |    | Programs – 2Animate                |    | Programs – Browser              |                                   |                                       |                      |    |    |    |    |    |    |
|                    | See table below for breakdown |   |   |   |   |   |                           |   |   |                          |    |    |                          |    |    |  |   |    |    |                  |    |                                    |    |                                 |                                   |                                       |                      |    |    |    |    |    |    |

### Coding Breakdown

|                    |   |  |  |   |                             |                             |
|--------------------|---|--|--|---|-----------------------------|-----------------------------|
| YEAR 3 & 4 CYCLE A | Accomplishing a goal in a program – Year 3 Lesson 1 | Accomplishing a goal in a program – Year 4 Lesson 1  | Simulating a physical system – Year 3 Lesson 2                 | Making a control simulation – Year 4 Lesson 6 | Debugging – Year 3 Lesson 5 | Debugging – Year 4 Lesson 4 |
| YEAR 3 & 4 CYCLE B | Introducing 'If' statements – Year 3 Lesson 4       | Variables and 'if/else' statements – Year 4 Lesson 2 | Repetition using a timer and repeat commands – Year 3 Lesson 3 | Repetition and user input – Year 4 Lesson 3   | Variables – Year 3 Lesson 6 | Variables – Year 4 Lesson 5 |

| Week                  | 1                   | 2 | 3 | 4 | 5 | 6                  | 7                         | 8 | 9                     | 10                       | 11 | 12 | 13 | 14                                 | 15                    | 16 | 17 | 18                         | 19                          | 20 | 21 | 22                          | 23                       | 24 | 25   | 26                       | 27 | 28 | 29 | 30 | 31 |    |
|-----------------------|---------------------|---|---|---|---|--------------------|---------------------------|---|-----------------------|--------------------------|----|----|----|------------------------------------|-----------------------|----|----|----------------------------|-----------------------------|----|----|-----------------------------|--------------------------|----|--|--------------------------|----|----|----|----|----|----|
| YEAR 5 & 6 CYCLE A*   | Unit 5.1<br>Coding  |   |   |   |   |                    | Unit 5.2<br>Online safety |   |                       | Unit 5.3<br>Spreadsheets |    |    |    |                                    | Unit 5.4<br>Databases |    |    |                            | Unit 5.5<br>Game Creator    |    |    |                             | Unit 5.6<br>3D Modelling |    |  | Unit 5.7<br>Concept Maps |    |    |    |    |    |    |
|                       | Number of Weeks – 6 |   |   |   |   |                    | Weeks – 3                 |   |                       | Weeks – 5                |    |    |    |                                    | Weeks – 4             |    |    |                            | Weeks – 5                   |    |    |                             | Weeks – 4                |    |  | Weeks – 4                |    |    |    |    |    |    |
| Main Programs – 2Code |                     |   |   |   |   | Programs - Various |                           |   | Programs – 2Calculate |                          |    |    |    | Programs – 2Question, 2Investigate |                       |    |    | Programs – 2DIY 3D         |                             |    |    | Programs – 2Design and Make |                          |    | Programs – 2Connect                                |                          |    |    |    |    |    |    |
| Week                  | 1                   | 2 | 3 | 4 | 5 | 6                  | 7                         | 8 | 9                     | 10                       | 11 | 12 | 13 | 14                                 | 15                    | 16 | 17 | 18                         | 19                          | 20 | 21 | 22                          | 23                       | 24 | 25   | 26                       | 27 | 28 | 29 | 30 | 31 | 32 |
| YEAR 5 & 6 CYCLE B*   | Unit 6.1<br>Coding  |   |   |   |   |                    | Unit 6.2<br>Online safety |   |                       | Unit 6.3<br>Spreadsheets |    |    |    |                                    | Unit 6.4<br>Blogging  |    |    |                            | Unit 6.5<br>Text Adventures |    |    |                             | Unit 6.6<br>Networks     |    |  | Unit 6.7<br>Quizzing     |    |    |    |    |    |    |
|                       | Number of Weeks – 6 |   |   |   |   |                    | Weeks – 3                 |   |                       | Weeks – 5                |    |    |    |                                    | Weeks – 5             |    |    |                            | Weeks – 5                   |    |    |                             | Weeks – 3                |    |  | Weeks – 6                |    |    |    |    |    |    |
| Main Programs – 2Code |                     |   |   |   |   | Programs - Various |                           |   | Programs – 2Calculate |                          |    |    |    | Programs – 2Blog                   |                       |    |    | Programs – 2Code, 2Connect |                             |    |    |                             |                          |    | Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate |                          |    |    |    |    |    |    |

\* There is an optional unit 6.8 – Understanding Binary that can be used in addition to the above units. It is a four week unit.

### Coding Breakdown

|                    |   |  |   |   |  |   |
|--------------------|---|--|---|---|--|---|
| YEAR 5 & 6 CYCLE A | Accomplishing a goal in a program – Year 5 Lesson 1                   | Simulating a physical system – Year 5 Lesson 2 | Creating a game with a score and timer – Year 5 Lessons 4 and 5 |   | Using buttons to showcase work – Year 6 Lesson 5 | Internet safety – Year 5 Lesson 6               |
| YEAR 5 & 6 CYCLE B | Designing and writing a more complex program – Year 6 Lessons 1 and 2 |  | Introducing text variables – Year 5 Lesson 3                    | Introducing Functions – Year 6 Lesson 3 | Text Adventure – Year 6 Lesson 6                 | Vocabulary review and quizzes – Year 6 Lesson 4 |



# 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            |
|      | 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) |      |                     |                              |

| 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               |                           |

| 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) |                         |

| 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            |
|                   |                      |                              | 2Investigate (database) |
| 6.8<br>(optional) | Understanding Binary | 2Connect (Mind Map)          |                         |
|                   |                      | 2Question (Binary Databases) |                         |
|                   |                      | Writing Templates            |                         |
|                   |                      | 2Code                        |                         |