

## Computing Long Term Plan



The Masham Computing Long Term Plan follows the sequence from Purple Mash. All units are taught following the Purple Mash Schemes of Work. The themes for each unit ensure that all the National Curriculum objectives are covered so that all the learners at Masham receive a broad and balanced curriculum. At the start of every lesson, project evolve sessions will be taught so that children are receiving e-safety sessions weekly.

At the start of the Autumn term, class teachers will conduct an audit with their class to discover what are the contextualised online safety issues that their class have on the curriculum they require.

|                    | <b>Autumn 1</b>   | <b>Autumn 2</b>   | <b>Spring 1</b>   | <b>Spring 2</b>  | <b>Summer 1</b>  | <b>Summer 2</b>   |
|--------------------|---|---|---|--|--|---|
| <b>EYFS</b>        | Communication and Language  | Expressive Arts   | Literacy  | Mathematics  | Physical Development   | Exploring the World   |
| <b>KS1 Cycle A</b> | Unit 1.1 Online Safety & Exploring Purple Mash<br>Number of lessons – 4<br>Programs – Various | Unit 1.2 Grouping & Sorting<br>Number of lessons – 2<br>Programs – 2DIY | Unit 1.4 Lego Builders<br>Number of lessons – 3<br>Programs – 2DIY                  | Unit 1.6 Animated Story Books<br>Number of lessons – 5<br>Programs – 2Create A Story | Unit 1.7 Coding Number of lessons – 6<br>Programs – 2Code                        | Unit 1.8 Spreadsheets<br>Number of lessons – 3<br>Programs – 2Calculate           |
|                    |   | Unit 1.3 Pictograms<br>Number of lessons – 3<br>Programs – 2Count       | Unit 1.5 Maze Explorers<br>Number of lessons – 3<br>Programs – 2Go                  |  |  | Unit 1.9 Technology outside school<br>Number of lessons – 2<br>Programs – Various |
| <b>KS1 Cycle B</b> | Unit 2.1 Coding Number of lessons – 6<br>Programs – 2Code                                     | Unit 2.2 Online Safety<br>Number of lessons – 3<br>Programs – Various   | Unit 2.4 Questioning<br>Number of lessons – 5<br>Programs – 2Question, 2Investigate | Unit 2.5 Effective Searching<br>Number of lessons – 3<br>Programs – Browser          | Unit 2.6 Creating Pictures<br>Number of lessons – 5<br>Programs – 2PaintAPicture | Unit 2.8 Presenting Ideas<br>Number of lessons – 4<br>Programs – Various          |
|                    |   | Unit 2.3 Spreadsheets<br>Number of lessons – 4<br>Programs – 2Calculate |   | Unit 2.7 Making Music<br>Number of lessons – 3<br>Programs – 2Sequence               |  |   |

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|---------------------|---|---|--|---|--|---|
| <b>LKS2 Cycle A</b> | Unit 3.1 Coding Number of lessons – 6<br>Main Programs – 2Code        | Unit 3.2 Online safety Number of lessons – 3<br>Programs – Various    | Unit 3.4 Touch Typing Number of lessons – 4<br>Programs – 2Type              | Unit 3.6 Branching Databases Number of lessons – 4<br>Programs – 2Question                          | Unit 3.5 Email (including email safety) Number of lessons – 6<br>Programs – 2Email, 2Connect, 2DIY | Unit 3.9 Presenting (with Microsoft PowerPoint or Google Slides) Number of Lessons – 5 or 6<br>Main Program – MS PowerPoint |
|                     |   | Unit 3.3 Spreadsheets Number of lessons – 3*<br>Programs – 2Calculate | Unit 3.7 Simulations Number of lessons – 3<br>Programs – 2Simulate, 2Publish | Unit 3.8 Graphing Number of lessons – 2<br>Programs – 2Graph  |  |   |
| <b>LKS2 Cycle B</b> | Unit 4.7 Effective Search Number of lessons – 3<br>Programs – Browser | Unit 4.1 Coding Number of lessons – 6<br>Main Programs – 2Code        | Unit 4.3 Spreadsheets Number of lessons – 6<br>Programs – 2Calculate         | Unit 4.4 Writing for different audiences Number of lessons – 5<br>Programs – 2Email, 2Connect, 2DIY | Unit 4.5 Logo Number of lessons – 4<br>Programs – Logo   | Unit 4.6 Animation Number of lessons – 3<br>Programs – 2Animate   |
|                     | Unit 4.2 Online safety Number of lessons – 4<br>Programs – Various    |   |  |   | Unit 4.8 Hardware Investigators Number of lessons – 2  |   |

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|---------------------|---|---|---|---|--|--|
| <b>UKS2 Cycle A</b> | Unit 5.1 Coding Number of lessons – 6 Main Programs – 2Code | Unit 5.2 Online safety Number of lessons – 3 Programs - Various             | Unit 5.3 Spreadsheets Number of lessons – 6 Programs – 2Calculate | 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 5.8 Word processing (with Microsoft Word or Google Docs) Number of Lessons – 7 Main program – MS Word or Google Docs    |
|                     |   | Unit 5.4 Databases Number of lessons – 4 Programs – 2Question, 2Investigate |   |   | Unit 5.9 Using External Devices – Purple Chip Number of Lessons – 6 Main program – 2Code Purple Chip and app |  |
| <b>UKS2 Cycle B</b> | Unit 6.1 Coding Number of lessons – 6 Main Programs – 2Code | Unit 6.2 Online safety Number of lessons – 2 Programs - Various             | Unit 6.4 Blogging Number of lessons – 4 Programs – 2Blog          | Unit 6.7 Quizzing Number of lessons – 6 Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate, 2Survey | Unit 6.8 Understanding Binary Number of Lessons – 4 Main Program – 2Code                                     | Unit 6.9 Spreadsheets (with Microsoft Excel or Google Sheets) Number of Lessons – 8 Main program – MS Excel or Google Sheets |
|                     |   | Unit 6.3 Spreadsheets Number of lessons – 5 Programs – 2Calculate           | Unit 6.6 Networks Number of lessons – 3                           |   |  |  |