# A picture containing shape Description automatically generatedAll Unit Summary

**Early Years (Reception)**

Rather then a scheme with set lessons, the early years resources are designed to integrate into the day-to- day routine and set-up of an early years setting with opportunities for using Mini Mash or Purple Mash as part of the Early Years curriculum to support children in working towards early learning goals.

In addition, there are units of suggested ideas that focus on computing skills specifically, that can also be provided as opportunities for learning as part of the topics in other areas to give children a sound basis to explore topics using technology and to be ready for progressing through the Computing curriculum. These are as follows and are designed to be integrated and linked to wider early years curriculum areas. These have been loosely classified into the three streams but there is overlap between all three streams.

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| **Mouse and Trackpad Skills** | **Keyboard Skills** | **Drawing skills** | **Robots** | **Sounds** | **Photography** |
| **Technology Around Us** | **Hardware** | **Safety and Privacy** | **Quizzes** | **Using Purple Mash with an Individual Login** |  |

**Year 1**

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

**Year 2**

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|  | **Unit 2.1** | **Unit 2.2** | **Unit 2.3** | **Unit 2.4** | **Unit 2.5** | **Unit 2.6** | **Unit 2.7** | **Unit 2.8** |
|  | **Coding** | **Online Safety** | **Spreadsheets** | **Questioning** | **Effective Searching** | **Creating Pictures** | **Making Music** | **Presenting Ideas** |
| Number of lessons | **6** | **3** | **4** | **5** | **3** | **5** | **3** | **4** |
| Main tool | 2Code |  | 2Calculate | 2Question 2Investigate |  | 2Paint A Picture | 2Sequence |  |

**Year 3**

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|  | **Unit 3.1** | **Unit 3.2** | **Unit 3.3** | **Unit 3.4** | **Unit 3.5** | **Unit 3.6** | **Unit 3.7** | **Unit 3.8** | **Unit 3.9** |
|  | **Coding** | **Online safety** | **Spreadsheets** | **Touch Typing** | **Email (inc. email safety)** | **Branching Databases** | **Simulations** | **Graphing** | **Presenting** |
| Number of lessons | 6 | 3 | 3  4 lessons for Crash Course | 4 | 6 | 4 | 3 | 2 | 5\6\* |
| Main tool | 2Code |  | 2Calculate | 2Type | 2Email | 2Question | 2Simulate | 2Graph | PowerPoint or  Google Slides |

\*Platform dependent

**Year 4**

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|  | **Unit 4.1** | **Unit 4.2** | **Unit 4.3** | **Unit 4.4** | **Unit 4.5** | **Unit 4.6** | **Unit 4.7** | **Unit 4.8** | **Unit 4.9** |
|  | **Coding** | **Online Safety** | **Spreadsheets** | **Writing for Different Audiences** | **Logo** | **Animation** | **Effective Searching** | **Hardware Investigators** | **Making Music** |
| Number of lessons | 6 | 4 | 6 | 5 | 4 | 3 | 3 | 2 | 4 |
| Main tool | 2Code |  | 2Calculate |  | 2Logo | 2Animate |  |  | Busy Beats |

**Year 5**

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|  | **Unit 5.1** | **Unit 5.2** | **Unit 5.3** | **Unit 5.4** | **Unit 5.5** | **Unit 5.6** | **Unit 5.7** | **Unit 5.8** |
|  | **Coding** | **Online Safety** | **Spreadsheets** | **Databases** | **Game Creator** | **3D Modelling** | **Concept Maps** | **Word Processing** |
| Number of lessons | 6 | 3 | 6 | 4 | 5 | 4 | 4 | 8 |
| Main tool | 2Code |  | 2Calculate | 2Investigate | 2DIY 3D | 2Design & Make | 2Connect | MS Word or Google Docs |

**Year 6**

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|  | **Unit 6.1** | **Unit 6.2** | **Unit 6.3** | **Unit 6.4** | **Unit 6.5** | **Unit 6.6** | **Unit 6.7** | **Unit 6.8** | **6.9** |
|  | **Coding** | **Online Safety** | **Spreadsheets** | **Blogging** | **Text Adventures** | **Networks** | **Quizzing** | **Understanding Binary** | **Spreadsheets** |
| Number of lessons | 6 | 2 | 5 | 4 | 5 | 3 | 6 | 4 | 8 |
| Main tool | 2Code |  | 2Calculate | 2Blog |  |  | 2Quiz |  | Excel or Google Sheets |

# Units by Year Group *–* Single Age Classes

## Year 1

It is recommended that you teach unit 1.1 first as it introduces Purple Mash.

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| **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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| **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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| **Unit 3.1 Coding**  **Number of lessons** – 6  **Main Programs** –  2Code | **Unit 3.2 Online safety**  **Number of lessons** – 3  **Programs** – Various | **Unit 3.3 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** – 2  **Programs** – 2Graph | **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 |

\*The Spreadsheets Crash-Course has 4 lessons

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| **Unit 4.1 Coding**  **Number of lessons** – 6  **Main Programs** –  2Code | **Unit 4.2 Online safety**  **Number of lessons** – 4  **Programs** – Various | **Unit 4.3 Spreadsheets**  **Number of lessons** – 6  **Programs** –  2Calculate |
| **Unit 4.4**  **Writing for different audiences**  **Number of lessons** – 5  **Programs** – 2Email, 2Connect, 2DIY | **Unit 4.5 Logo**  **Number of lessons** – 4  **Programs** – Logo | **Unit 4.6 Animation**  **Number of lessons** – 3  **Programs** – 2Animate |
| **Unit 4.7 Effective Search**  **Number of lessons** – 3  **Programs** – Browser | **Unit 4.8**  **Hardware Investigators**  **Number of lessons** – 2 | **Unit 4.9 Making Music**  **Number of Lessons** – 4  **Main Program** – Busy Beats |

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| **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 5.4 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 | **Unit 5.8 Word processing**  **(with Microsoft Word or Google Docs)**  **Number of Lessons** – 8  **Main program** – MS Word or Google Docs |  |

Year 6

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| **Unit 6.1 Coding**  **Number of lessons** – 6  **Main Programs** –  2Code | **Unit 6.2 Online safety**  **Number of lessons** – 2  **Programs** - Various | **Unit 6.3 Spreadsheets**  **Number of lessons** – 5  **Programs** –  2Calculate |
| **Unit 6.4 Blogging**  **Number of lessons** – 4  **Programs** – 2Blog | **Unit 6.5 Text Adventures**  **Number of lessons** – 5  **Programs** – 2Code, 2Connect | **Unit 6.6 Networks**  **Number of lessons** – 3 |
| **Unit 6.7 Quizzing**  **Number of lessons** – 6  **Programs** – 2Quiz, 2DIY, Text Toolkit, 2Investigate | **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 |