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| **Mile Post One Year 1** | | | | | | **Mile Post 1 Year 2** | | | | |
| **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 1.1 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 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 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 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 | | **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 | |
| **Mile Post Two Year 1** | | | | | | **Mile Post Two Year 2** | | | | |
| **Coding**  **Number of lessons** – 6  **Main Programs** –  2Code  **See table below for breakdown.** | **Unit 3.2 Online safety**  **Number of lessons** – 3  **Programs** – Various | | **Unit 3.3 Spreadsheets**  **Number of lessons** – 3  **Programs** –  2Calculate | | **Coding**  **Number of lessons** – 6  **Main Programs** –  2Code  **See table below for breakdown.** | | | **Unit 4.2 Online safety**  **Number of lessons** – 4  **Programs** – Various | | **Unit 4.3 Spreadsheets**  **Number of lessons** – 6  **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 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 3.7 Simulations**  **Number of lessons** – 3  **Programs** –  2Simulate, 2Publish | **Unit 3.8 Graphing**  **Number of lessons** – 2  **Programs** – 2Graph | | **Unit 4.9 Making Music**  **Number of Lessons – 4**  **Main Program** – Busy Beats | | **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 |

##### Coding Breakdown

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| **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 | | Co-ordinates  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 | |

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| **Mile Post Three Year 1** | | | | **Mile Post Three Year 2** | | |
| **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 | **Coding**  **Number of lessons** – 6  **Main Programs** –  2Code  **See table below for breakdown.** | | **Unit 6.2**  **Online safety**  **Number of lessons** – 2  **Programs** - Various | **Coding**  **Number of lessons** – 6  **Main Programs** –  2Code  **See table below for breakdown.** |
| **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 6.4 Blogging**  **Number of lessons** – 4  **Programs** – 2Blog | | **Unit 6.5 Text Adventures**  **Number of lessons** – 5  **Programs** – 2Code, 2Connect | **Unit 6.4 Blogging**  **Number of lessons** – 4  **Programs** – 2Blog |
| **Unit 5.7 Concept Maps**  **Number of lessons** – 4  **Programs** – 2Connect | **Unit 6.8 Understanding Binary**  **Number of Lessons** –  4  **Main Program** – 2Code |  | **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 | |