



## Computing Long Term Plan: Year A (2024-2025)



| Class                             | Autumn   | Spring  | Summer  |
|-----------------------------------|--|---|---|
| <b>Beech Class<br/>(Year 1/2)</b> | <b>Unit 1.1: Digital Literacy</b><br>Online Safety & Exploring Purple Mash<br>Programs – Various<br><br><b>Unit 2.5: Digital Literacy</b><br>Effective Searching<br>Programs – Browse<br><br><b>Unit 1.4: Computer Science</b><br>Lego Builders<br>Programs – 2DIY | <b>Unit 1.9: Digital Literacy</b><br>Technology outside school Programs – Various<br><br><b>Unit 1.2: Computer Science</b><br>Grouping & Sorting<br>Programs – 2DIY<br><br><b>Unit 2.6: Information Technology</b><br>Creating Pictures<br>Programs – 2PaintAPicture    | <b>Unit 1.8 Spreadsheets: Information Technology</b><br>Programs – 2Calculate<br><br><b>Unit 1.7 Coding: Computer Science</b><br>Programs – 2Code<br><br><b>Unit 2.1 Coding: Computer Science</b><br>Programs – 2Code |
| <b>Holly Class<br/>(Year 3/4)</b> | <b>Coding: Computer Science</b><br>Main Programs – 2Code See table below for<br>breakdown.<br><br><b>Unit 4.2: Digital Literacy</b><br>Online safety<br>Programs – Various<br><br><b>Unit 4.3: Information Technology</b><br>Spreadsheets<br>Programs – 2Calculate | <b>Unit 4.4: Information Technology</b><br>Writing for different audiences<br>Programs – 2Email, 2Connect, 2DIY<br><br><b>Unit 4.5: Computer Science</b><br>Logo<br>Programs – Logo<br><br><b>Unit 4.6: Information Technology</b><br>Animation<br>Programs – 2Animate  | <b>Unit 4.7: Information Technology</b><br>Effective Search<br>Programs – Browser<br><br><b>Unit 4.8: Computer Science</b><br>Hardware Investigators  |
| <b>Oak Class<br/>(Year 5/6)</b>   | <b>Coding: Computer Science</b><br>Main Programs – 2Code<br>See table below for breakdown.<br><br><b>Unit 5.2: Digital Literacy</b><br>Online safety<br>Programs – Various<br><br><b>Unit 5.3: Information Technology</b><br>Spreadsheets<br>Programs – 2Calculate | <b>Unit 5.4: Information Technology</b><br>Databases<br>Programs – 2Question, 2Investigate<br><br><b>Unit 5.5: Computer Science</b><br>Game Creator<br>Programs – 2DIY 3D<br><br><b>Unit 5.6: Information Technology</b><br>3D Modelling<br>Programs – 2Design and Make | <b>Unit 5.7: Computer Science</b><br>Concept Maps<br>Programs – 2Connect  |

**Coding Breakdown  
Year 3 & 4 – Year A**

|  |                                    |                                      |                                   |  |   |
|--|------------------------------------|--------------------------------------|-----------------------------------|--|---|
| Using Flowcharts<br>Unit 3.1, Lesson 1 | Using Timers<br>Unit 3.1, Lesson 2 | if' statements<br>Unit 4.1, Lesson 2 | Coordinates<br>Unit 4.1, Lesson 3 | Code, Test and Debug –<br>Unit 3.1, Lesson 4 | Design, Code, Test and<br>Debug<br>Unit 4.1, Lesson 1 |
|--|------------------------------------|--------------------------------------|-----------------------------------|--|---|

**Coding Breakdown  
Year 5 & 6 – Year A**

|   |  |                                       |   |                                      |
|---|--|---------------------------------------|---|--------------------------------------|
| Designing and writing a more complex program<br>Unit 6.1, Lessons 1 & 2 | Decomposition and<br>Abstraction<br>Unit 5.1, Lesson 3 | Using Functions<br>Unit 6.1, Lesson 3 | Flowcharts and control<br>simulations<br>Unit 6.1, Lesson 4 | Text Adventure<br>Unit 6.1, Lesson 6 |
|---|--|---------------------------------------|---|--------------------------------------|



## Computing Long Term Plan: Year B (2023-2024)



| Class                             | Autumn   | Spring  | Summer   |
|-----------------------------------|--|---|--|
| <b>Beech Class<br/>(Year 1/2)</b> | <p><b>Unit 1.1: Digital Literacy</b><br/>Online Safety &amp; Exploring Purple Mash Programs – Various</p> <p><b>Unit 1.5: Computer Science</b><br/>Maze Explorers<br/>Programs – 2Go</p> <p><b>Unit 2.4: Information Technology</b><br/>Questioning<br/>Programs – 2Question, 2Investigate</p> | <p><b>Unit 2.2: Digital Literacy</b><br/>Online Safety<br/>Programs – Various</p> <p><b>Unit 1.6: Information Technology</b><br/>Animated Story Books<br/>Programs – 2Create A Story</p> <p><b>Unit 2.7: Information Technology</b><br/>Making Music<br/>Programs – 2Sequence</p>   | <p><b>Unit 2.3: Information Technology</b><br/>Spreadsheets<br/>Programs – 2Calculate</p> <p><b>Unit 1.3: Information Technology</b><br/>Pictograms<br/>Programs – 2Count</p> <p><b>Unit 2.8: Information Technology</b><br/>Presenting Ideas<br/>Programs – Various</p> |
| <b>Holly Class<br/>(Year 3/4)</b> | <p><b>Coding: Computer Science</b><br/>Main Programs – 2Code<br/>See table below for breakdown.</p> <p><b>Unit 4.2: Digital Literacy</b><br/>Online safety<br/>Programs – Various</p> <p><b>Unit 4.3: Information Technology</b><br/>Spreadsheets<br/>Programs – 2Calculate</p>                | <p><b>Unit 4.4: Information Technology</b><br/>Writing for different audiences<br/>Programs – 2Email, 2Connect, 2DIY</p> <p><b>Unit 4.5: Computer Science</b><br/>Logo<br/>Programs – Logo</p> <p><b>Unit 4.6: Information Technology</b><br/>Animation<br/>Programs – 2Animate</p> | <p><b>Unit 4.7: Information Technology</b><br/>Effective Search<br/>Programs – Browser</p> <p><b>Unit 4.8: Computer Science</b><br/>Hardware Investigators</p>   |
| <b>Oak Class<br/>(Year 5/6)</b>   | <p><b>Coding: Computer Science</b><br/>Main Programs – 2Code<br/>See table below for breakdown.</p> <p><b>Unit 6.2: Digital Literacy</b><br/>Online safety<br/>Programs – Various</p> <p><b>Unit 6.3: Information Technology</b><br/>Spreadsheets<br/>Programs – 2Calculate</p>                | <p><b>Unit 6.4: Digital Literacy</b><br/>Blogging<br/>Programs – 2Blog</p> <p><b>Unit 6.5: Computer Science</b><br/>Text Adventures<br/>Programs – 2Code, 2Connect</p> <p><b>Unit 6.6: Computer Science</b><br/>Networks</p>  | <p><b>Unit 6.7: Information Technology</b><br/>Quizzing<br/>Programs – 2Quiz, 2DIY, Text Toolkit, 2Investigate</p>   |

**Coding Breakdown  
Year 3 & 4 – Year B**

|                                    |  |  |  |  |
|------------------------------------|--|--|--|--|
| Using Repeat<br>Unit 3.1, Lesson 3 | Repeat Until and 'if/else'<br>Statements<br>Unit 4.1, Lesson 4 | Number Variables<br>Unit 4.1, Lesson 5 | Design and Make an Interactive scene<br>Unit 3.1, Lesson 5-6 | Making a Playable game –<br>Unit 4.1, Lesson 6 |
|------------------------------------|--|--|--|--|

**Coding Breakdown  
Year 5 & 6 – Year B**

|   |  |                                       |   |                                      |
|---|--|---------------------------------------|---|--------------------------------------|
| Designing and writing a more complex program<br>Unit 6.1, Lessons 1 & 2 | Decomposition and<br>Abstraction<br>Unit 5.1, Lesson 3 | Using Functions<br>Unit 6.1, Lesson 3 | Flowcharts and control<br>simulations<br>Unit 6.1, Lesson 4 | Text Adventure<br>Unit 6.1, Lesson 6 |
|---|--|---------------------------------------|---|--------------------------------------|