

# Key Stage 1 Computing Curriculum Overview

|  |                        |
|--|------------------------|
|  | Computer Science       |
|  | Information Technology |
|  | Digital Literacy       |

| Year group | Autumn Term 1   | Autumn Term 2   | Spring Term 1   | Spring Term 2  | Summer Term 1   | Summer Term 2   |
|------------|---|---|---|--|---|---|
| Year 1     | <p><b>Unit 1.1</b><br/><b>Online Safety &amp; Exploring Purple Mash (4 lessons)</b></p> <ul style="list-style-type: none"> <li>What is a password and why should we keep them safe?</li> <li>What is a digital avatar?</li> <li>Where is my work stored on Purple Mash?</li> </ul>                                  | <p><b>Unit 1.2</b><br/><b>Grouping &amp; Sorting (2 lessons)</b></p> <ul style="list-style-type: none"> <li>In what ways can we sort objects?</li> </ul> <p><b>Unit 1.3</b><br/><b>Pictograms (3 lessons)</b></p> <ul style="list-style-type: none"> <li>What is a pictogram?</li> <li>What is data?</li> <li>How can I compare data?</li> </ul>  | <p><b>Unit 1.4</b><br/><b>Lego Builders (3 lessons)</b></p> <ul style="list-style-type: none"> <li>What is an instruction?</li> <li>Why do we need to debug code?</li> </ul> <p><b>Unit 1.5</b><br/><b>Maze Explorers (3 lessons)</b></p> <ul style="list-style-type: none"> <li>What is 2Go?</li> <li>How do I undo a mistake on 2Go?</li> </ul> | <p><b>Unit 1.6</b><br/><b>Animated Story Books (5 lessons)</b></p> <ul style="list-style-type: none"> <li>What is 2Create a Story?</li> <li>What is an animated story?</li> <li>How can I make my story better?</li> </ul> | <p><b>Unit 1.7</b><br/><b>Coding (6 lessons)</b></p> <ul style="list-style-type: none"> <li>What is coding?</li> <li>Why is it useful to design before coding?</li> <li>How can you make characters move in a 2Code program?</li> </ul>                               | <p><b>Unit 1.9</b><br/><b>Technology outside school (2 lessons)</b></p> <ul style="list-style-type: none"> <li>What is technology?</li> <li>How does technology make our lives easier?</li> </ul>   |
| Year 2     | <p><b>Unit 2.1</b><br/><b>Coding (6 lessons)</b></p> <ul style="list-style-type: none"> <li>What is an algorithm?</li> <li>Why is it useful in coding?</li> <li>Why is it important to know there are different object types?</li> <li>If you are good at coding, you don't need to debug. Is this true?</li> </ul> | <p><b>Unit 2.2</b><br/><b>Online Safety (2 lessons)</b></p> <ul style="list-style-type: none"> <li>Why is a search bar useful?</li> <li>What is an email?</li> <li>What is meant by my Digital Footprint?</li> </ul> <p><b>Unit 2.3</b><br/><b>Spreadsheets (4/6lessons)</b></p> <ul style="list-style-type: none"> <li>Why would you copy and paste when using a spreadsheet?</li> </ul> | <p><b>Unit 2.4</b><br/><b>Questioning (5 lessons)</b></p> <ul style="list-style-type: none"> <li>How does a Pictogram show information?</li> <li>How is information organised in a binary tree?</li> <li>How can a database help organise information?</li> </ul>   | <p><b>Unit 2.5</b><br/><b>Effective Searching (3 lessons)</b></p> <ul style="list-style-type: none"> <li>How can I search the Internet?</li> </ul>   | <p><b>Unit 2.6</b><br/><b>Creating Pictures (5 lessons)</b></p> <ul style="list-style-type: none"> <li>What are the main features of Impressionism?</li> <li>What are the main features of Pointillism?</li> <li>What are the main features of Surrealism?</li> </ul> | <p><b>Unit 2.7</b><br/><b>Making Music (3 lessons)</b></p> <ul style="list-style-type: none"> <li>What is meant by digital music?</li> <li>How can I change how my music sounds?</li> <li>What is it meant by the tempo of the music?</li> </ul> <p><b>Unit 2.8</b><br/><b>Presenting Ideas</b></p> |

## Key Stage 1 Computing Curriculum Overview

| Year group | Autumn Term 1 | Autumn Term 2  | Spring Term 1 | Spring Term 2 | Summer Term 1 | Summer Term 2   |
|------------|---------------|--|---------------|---------------|---------------|---|
|            |               | <ul style="list-style-type: none"><li>• How could a spreadsheet help you when you are planning some shopping?</li><li>• Look at the graph made in 2Calculate showing the class' favourite pets. Which is the most popular?</li></ul> |               |               |               | <p><b>(4 lessons)</b></p> <ul style="list-style-type: none"><li>• What do we need to think about when planning a presentation?</li><li>• Why should I plan out my presentation?</li></ul> |