

# Computing Overview

| Year group | Autumn Term 1   | Autumn Term 2   | Spring Term 1   | Spring Term 2   | Summer Term 1  | Summer Term 2   |
|------------|---|---|---|---|--|---|
| Year R     | In free flow, children have access to chromebooks, beebots, sound books, sound buttons and technology in the role play area. Children learn how machines work and are shown digimaps and google earth to support their learning. Computing in EYFS ensures that pupils enter Year 1 with a strong foundation. In EYFS, they develop their keyboard skills, drawing skills, coding skills, sound skills (record spoken words and repeat these back), learn about technology around us and how to look after hardware. Children begin to learn about online safety and privacy. Children use resources to support their learning in the expressive art and design (EAD) and understanding the world ELGs. |   |   |   |  |   |
| Year 1     | Unit 1.1<br>Online Safety & Exploring Purple Mash   | Unit 1.2<br>Grouping & Sorting<br><br>Unit 1.3<br>Pictograms        | Unit 1.4<br>Lego Builders<br><br>Unit 1.5<br>Maze Explorers         | Unit 1.6<br>Animated Story Books  | Unit 1.7<br>Coding   | Unit 1.9<br>Technology outside school                           |
| Year 2     | Unit 2.1<br>Coding  | Unit 2.2<br>Online Safety<br><br>Unit 2.3<br>Spreadsheets           | Unit 2.4<br>Questioning   | Unit 2.5<br>Effective Searching   | Unit 2.6<br>Creating Pictures                                  | Unit 2.7<br>Making Music<br><br>Unit 2.8<br>Presenting Ideas    |
| Year 3     | Unit 3.1<br>Coding  | Unit 3.2<br>Online safety<br><br>Unit 3.3<br>Spreadsheets           | Unit 3.4<br>Touch Typing  | Unit 3.5<br>Email - including email safety  | Unit 3.6<br>Branching Databases<br><br>Unit 3.7<br>Simulations | Unit 3.8<br>Graphing<br><br>Unit 3.10<br>micro:bits             |
| Year 4     | Unit 4.1<br>Coding  | Unit 4.2<br>Online safety<br><br>Unit 4.8<br>Hardware Investigators | Unit 4.10<br>Artificial Intelligence<br><br>Unit 4.11<br>micro:bits | Unit 4.11<br>micro:bits<br>Continued<br><br>Unit 4.4<br>Writing for different audiences | Unit 4.5<br>Logo<br><br>Unit 4.6<br>Animation                  | Unit 4.7<br>Effective Searching<br><br>Unit 4.9<br>Making Music |
| Year 5     | Unit 5.1<br>Coding<br>Unit 5.2  | Unit 5.9<br>Using external devices                                  | Unit 5.3<br>Spreadsheets  | Unit 5.4<br>Databases   | Unit 5.5<br>Game Creator                                       | Unit 5.6<br>3D modelling continued                              |

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|-----------|--------------------|---|----------------------------------|----------------------------|--|---|
|           | Online safety      |   |                                  |                            | Unit 5.6<br>3D Modelling                         | Unit 5.7<br>Concept Maps<br><br>Unit 5.10<br>micro:bits           |
| Year<br>6 | Unit 6.1<br>Coding | Unit 6.2<br>Online safety<br><br>Unit 6.4<br>Blogging | Unit 6.8<br>Understanding Binary | Unit 6.5<br>Text Adventure | Unit 6.6<br>Networks<br><br>Unit 6.7<br>Quizzing | Unit 6.7<br>Quizzing Continued<br><br>Coming soon -<br>micro:bits |

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