

# COMPUTING

Computing skills are taught in discrete lessons and then applied at every opportunity in other subjects. Children use and experience a range of programmes in order for them to be able to choose the most effective tool for their task.

|                                                                   |                                                                                  |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
|-------------------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------------------------------------|--|
| <b>KS1</b>                                                        | <b>Year 1</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
|                                                                   | <b>Land of the Giants</b>                                                        |                                               | <b>Paddington Goes to London</b>                                      |                                                                                                                                         | <b>Captain and Compasses</b>                                                              |                                                                                                              |                                              |  |
|                                                                   | Logging on<br>Passwords (E-Safety)<br>Keyboard skills<br>Programming – Bee Bots  |                                               | Emailing<br>Taking Photos<br>Pictograms                               |                                                                                                                                         | Programming – algorithms & debugging<br>Programming - coding                              |                                                                                                              |                                              |  |
|                                                                   | <b>Year 2</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
| <b>Land Before Time</b>                                           |                                                                                  | <b>Who lives in a house like this?</b>        |                                                                       | <b>Land, Sea and Air</b>                                                                                                                |                                                                                           | <b>Turrets and Tunnels</b>                                                                                   |                                              |  |
| Accessing websites – finding information and printing<br>E-Safety |                                                                                  | Capturing still and moving images             |                                                                       | Word processing<br>Using keyboard to underline, bold, italic and shape tools<br>Slideshows – using text and animation linked to English |                                                                                           | Programming – repeat command/right angle turns<br>Programming – repeat command/right angle turns<br>Emailing |                                              |  |
| <b>KS2</b>                                                        | <b>Year 3</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
|                                                                   | <b>Awesome Egyptians</b>                                                         |                                               | <b>Angry Earth</b>                                                    |                                                                                                                                         | <b>Monolith to Metal</b>                                                                  |                                                                                                              |                                              |  |
|                                                                   | Algorithms & programming<br>Research and present findings                        |                                               | Photo editing to communicate ideas<br>Use attachments in email        |                                                                                                                                         | Research and present findings<br>Databases                                                |                                                                                                              |                                              |  |
|                                                                   | <b>Year 4</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
|                                                                   | <b>The World At Our Feet</b>                                                     |                                               | <b>Groovy Greeks</b>                                                  |                                                                                                                                         | <b>The Roaming Romans</b>                                                                 |                                                                                                              |                                              |  |
|                                                                   | Use search engines to find information<br>Collect and present data appropriately |                                               | Databases<br>Use search engines to find information – internet safety |                                                                                                                                         | Programming – write more complex programmes using directional and repetitive instructions |                                                                                                              |                                              |  |
|                                                                   | <b>Year 5</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
|                                                                   | <b>All Aboard the Time Machine</b>                                               |                                               | <b>Out of This World</b>                                              |                                                                                                                                         | <b>Everywhere We Go!</b>                                                                  |                                                                                                              | <b>Brilliant Brazil</b>                      |  |
|                                                                   | Algorithms and programs<br>Presentation based on History using sound and imagery |                                               | Databases/Email<br>Communication<br>Scratch computing – space games   |                                                                                                                                         | Making a rock band – link to Music:<br>download and upload podcasts                       |                                                                                                              | Research using internet based upon Geography |  |
|                                                                   | <b>Year 6</b>                                                                    |                                               |                                                                       |                                                                                                                                         |                                                                                           |                                                                                                              |                                              |  |
| <b>In the Beginning</b>                                           |                                                                                  | <b>Toy Story</b>                              |                                                                       | <b>SPLASH!</b>                                                                                                                          |                                                                                           | <b>Viking Warriors</b>                                                                                       |                                              |  |
| Databases                                                         |                                                                                  | Use IT to control an external device - coding |                                                                       | Create a poster/presentation with complex hyperlinks<br>Create a multimedia presentation - iMovie                                       |                                                                                           | Use complex searches on the internet and contribute to discussions online                                    |                                              |  |

E-Safety is taught throughout the year in every year group.