



# Science Curriculum Whole School Overview



| Year               | Autumn 1   | Autumn 2   | Spring 1  | Spring 2  | Summer 1  | Summer 2  |
|--------------------|--|--|---|---|---|---|
| <b>R</b>           | Dinosaurs,<br>Fossils<br>Seasonal Changes Autumn         | Seasonal Changes Winter                                    | Floating and Sinking  | Minibeast   | The Natural World -<br>animals and plants   | The Natural World -<br>contrasting environments<br>Seasonal Change Summer |
| <b>Scientist/s</b> | Mary Anning  |  | Archimedes Principle  | Steve Backshall                                     | Jane Goodall  | David Attenborough - Blue Planet  |
| <b>1</b>           | Trees and Plants   | Materials  | Animals   | Space (History link)                                | Human Bodies  | Seasonal Change   |
| <b>Scientist/s</b> | Beatrix Potter   |  | David Attenborough  | Neil Armstrong<br>Mae Jemison                       | First female doctor in<br>Britain - Elizabeth Garrett<br>Anderson   | Looking for a famous<br>meteorologist<br><br>Greta Thunberg?              |
| <b>2</b>           | Living Things  | Habitats   | Humans  | Living Things -<br>microhabitats and food<br>chains | Plants  | Materials   |
| <b>Scientist/s</b> | Carl Linnaeus<br>Known for<br>naming<br>organisms        |  |   |   | Wangari Maathai<br>An activist who fought for<br>women's rights as well as<br>environmental issues such<br>as tree plantation |   |
| <b>3</b>           | Animals, including humans<br>- healthy eating            | Rocks and Fossils  | Light   | Animals including humans -<br>skeleton              | Forces and Magnets  | Plants  |
| <b>Scientist/s</b> | Elsie Widdowson<br>British dietitian and<br>nutritionist | Mary Anning<br>English fossil hunter and<br>paleontologist | Ibn al-Haytham (Alhazen)<br>Discovered light travels in<br>straight lines | Andreas Vesalius<br>Founder of modern<br>anatomy    | William Gilbert<br>Created the science of<br>magnetism  | Carl Linnaeus<br>Created a system of<br>naming living things              |





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|-------------|--|--|--|---|---|---|
| 4           | Electricity  | Animals including humans - teeth, food chains  | Animals including humans - the digestive system                | States of Matter  | Living things and their habitats  | Sound   |
| Scientist/s | Caroline Haslett - suffragette, taught women about electricity   | Pierre Fauchard - helped make dentistry a standalone medicine and first made the link between sugar and cavities | Dr Megan Rossi - dietician, nutritionist and gut health doctor | Bernard Palissy - Discovered the modern theory of the water cycle | David Attenborough  | Robert Boyle - discovered that sound cannot pass through a vacuum |
| 5           | Earth and Space  | Forces   | Materials - Properties and Change                              | Materials - Properties and Change                                 | Living Things and their Habitats  | Animals including Humans  |
| Scientist/s | Katherine Johnson & other female astronauts<br>Galileo Galilei<br>Aristotle<br>Tycho Brahe<br>Nicolas Copernicus | William Heath Robinson<br>Isaac Newton<br>LIGO Experiment  | Ernest Shackleton<br>Benjamin Franklin                         |   | David Attenborough<br>Jane Goodall<br>Steve Backshall<br>George McGavin | TBC - Professor Robin Lovell-Badge?                               |
| 6           | Electricity  | Living things and their Habitats   | Light  | Animals including Humans  |   | Evolution and Inheritance   |
| Scientist/s |  | Alexander Fleming and Percy L. Julian  | Lewis Latimer and Thomas Edison                                | Marie Maynard Daly  |   | Mary Anning and Charles Darwin                                    |

