



## Portsmouth Primary School Subject Overview: Science

|                  | Autumn 1  | Autumn 2                                 | Spring 1  | Spring 2                                 | Summer 1  | Summer 2                         |
|------------------|---|--|---|--|---|----------------------------------|
| N1: Caterpillars | <b>Understanding the world</b><br>- Is curious and interested to explore new and familiar experiences in nature: grass, mud, puddles, plants, animal life<br>- Explores objects by linking together different approaches: shaking, hitting, looking, feeling, tasting, mouthing, pulling, turning and poking  |  | <b>Understanding the world</b><br>- Is curious and interested to explore new and familiar experiences in nature: grass, mud, puddles, plants, animal life<br>- Can talk about some of the things they have observed such as plants, animals, natural and found objects  |  | <b>Understanding the world</b><br>- Notices detailed features of objects in their environment<br>- Can talk about some of the things they have observed such as plants, animals, natural and found objects<br>- Enjoys playing with small world reconstructions, building on first-hand experiences, e.g. visiting farms, garages, train tracks, walking by river or lake |                                  |
| N2: Butterflies  | <b>Understanding the world</b><br>- Notices detailed features of objects in their environment<br>- Can talk about some of the things they have observed such as plants, animals, natural and found objects<br>- Enjoys playing with small world reconstructions, building on first-hand experiences, e.g. visiting farms, garages, train tracks, walking by river or lake |  | <b>Understanding the world</b><br>- Comments and asks questions about aspects of their familiar world such as the place where they live or the natural world<br>- Talks about why things happen and how things work<br>- Develop an understanding of growth, decay and changes over time.   |  | <b>Understanding the world</b><br>- Shows care and concern for living things and the environment<br>- Begin to understand the effect their behaviour can have on the environment<br>- Develop an understanding of growth, decay and changes over time.  |                                  |
| Year R           | <b>Understanding the world</b><br>- Shows care and concern for living things and the environment<br>- Begin to understand the effect their behaviour can have on the environment<br>- Develop an understanding of growth, decay and changes over time.<br>- Looks closely at similarities, differences, patterns and change in nature                                     |  | <b>Understanding the world</b><br>- Looks closely at similarities, differences, patterns and change in nature<br>- Knows about similarities and differences in relation to places, objects, materials and living things<br>- Talks about the features of their own immediate environment and how environments might vary from one another.<br>- Makes observations of animals and plants and explains why some things occur, and talks about changes. |  | <b>Understanding the world</b><br>- Knows about similarities and differences in relation to places, objects, materials and living things<br>- Talks about the features of their own immediate environment and how environments might vary from one another.<br>- Makes observations of animals and plants and explains why some things occur, and talks about changes.    |                                  |
| Year 1           | Animals, including humans   | Seasonal Changes (throughout the year)   | Everyday materials  |  | Plants  |                                  |
| Year 2           | Living things and their habitats  | Animals, including humans                | Uses of everyday materials  |  | Plants  |                                  |
| Year 3           | Rocks   | Animals, including humans                | Plants  | Light                                    | Magnets and forces  |                                  |
| Year 4           | States of matter  | Animals, including humans                | Electricity   | Living things and their habitats         |   | Sound                            |
| Year 5           | Forces  | Earth and space                          | Properties and changes of state (part 1)  | Properties and changes of state (part 2) | Animals inc. humans   | Living things and their habitats |
| Year 6           | Light   | Animals including humans (Fuel for life) | Living things and their habitats  | Electricity                              |   | Evolution and Inheritance        |