



## Science Whole School Overview

|        | Autumn 1  | Autumn 2  | Spring 1  | Spring 2   | Summer 1   | Summer 2   |
|--------|---|---|---|--|--|--|
| Year 1 | <b>Seasons</b> – changes across the seasons, weather changes and how day length varies  | <b>Materials</b> – identify a range of materials and their properties, compare and group                          | <b>Animals including humans</b> - identify fish, amphibians, reptiles, birds and mammals, carnivores, herbivores and omnivores, structure of animals, basic parts of human body and links with senses<br><br><b>Seasons</b> – changes across the seasons, weather changes and how day length varies |  | <b>Plants</b> – common and wild garden plants, basic structure of plants                                 | <b>Seasons</b> – changes across the seasons, weather changes and how day length varies |
| Year 2 | <b>Living things and their habitats</b> – classification, microhabitats, conservation, adaptation, comparison   |   | <b>Animals including humans</b> – basic needs for survival, exercise and eating, offspring and growth   | <b>Use of everyday materials</b> – suitability of a variety of materials, squashing, bending twisting and stretching                                   | <b>Plants</b> – growing plants as food, Harvest vegetables, experiments with flowering plants            |  |
| Year 3 | <b>Animals including humans</b> – nutrition, skeleton, muscles  | <b>Light</b> – reflection, dangers of bright light, shadows   | <b>Rocks</b> – grouping rocks, formation of fossils, soil   | <b>Forces and magnets</b> – friction, magnetism  | <b>Plants</b> – functions of parts of plants, requirements for growth, flowers and seed dispersal        |  |
| Year 4 | <b>Electricity</b> – appliances, simple circuits, switches, conductors and insulators   | <b>Sound</b> – vibration, pitch, volume   | <b>States of matter</b> – solids, liquids, gases, change of state, evaporation and condensation, water cycle  |  | <b>Animals, including humans</b> – digestive system, teeth, food chains                                  | <b>Living things and their habitats</b> – grouping, classification keys, environments  |
| Year 5 | <b>Properties and changes of materials</b> – comparing and grouping materials, solutions, separating mixtures, uses of common materials, reversible and irreversible changes, |   | <b>Earth and Space</b> – planets of the solar system, the moon and Earth, rotation and day and night  | <b>Forces</b> – gravity, air/water resistance and friction, levers/pulleys/gears and their effect on forces  | <b>Living things and their habitats</b> – life cycles, reproduction                                      | <b>Animals including humans</b> – changes as humans develop to old age                 |
| Year 6 | <b>Living things and their habitats</b> – classification, characteristics   | <b>Evolution and inheritance</b> – fossils and change over time, variation in offspring, adaptation and evolution | <b>Light</b> – travel in straight lines, sources/reflections, how lights reaches our eyes, shadows  | <b>Electricity</b> – relationship between brightness/loudness and number of cells, variations in how components function, circuit diagrams and symbols | <b>Animals including humans</b> – circulatory system, exercise, drugs and lifestyle, nutrients and water |  |