**** School Overview for Science

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Working Scientifically through the year** | **Autumn 1** | **Autumn 2** | **Spring 1** | **Spring 2** | **Summer 1** | **Summer 2** |
| **Year 1** | Animals, including Humans (naming animal and body parts)  Plants  (names and Structure)  Begin Seasonal Changes (ongoing, changes and weather) | Everyday Materials  (names and properties of simple materials) | Animals, including Humans (naming animal and body parts) | Animals, including Humans (naming animal and body parts)  Everyday Materials  (names and properties of simple materials) | Animals, including Humans (naming animal and body parts)  Everyday Materials  (names and properties of simple materials) | Animals, including Humans (naming animal and body parts)  Everyday Materials  (names and properties of simple materials) |
| **Year 2** | Animals, including humans (health and growth ) | Use of everyday materials  (suitability and changing shapes of materials ) | Living things and their habitats  (suitable habitats/simple food chains) | Use of everyday materials  (suitability and changing shapes of materials ) | Plants  (growing conditions for seeds and bulbs) | Animals, including humans (health and growth ) |
| **Year 3** | Plants  (functions of parts and life cycles) | Animals including humans  (skeletons) | Rocks  (simple properties, fossils, soils) | Light  (dark is the absence of light, shadows) | Forces and Magnets  (friction-how things move on different surfaces/magnets) |  |
| **Year 4** |  | Living things and their habitats  (grouping and simple classifying/changes to habitats can pose dangers) | States of matter (solids, liquids, gases, heating and cooling, water cycle) | Sound  (fainter sounds further away, vibrations, pitch and volume) | Animals including humans  (teeth, eating and digestion) | Electricity  (simple circuit, switches, conductors and insulators) |  |
| **Year 5** | Forces  (gravity, friction, air-resistance, levers, pulleys and gears.) | Properties and changes  (more properties including thermal and electrical conductivity , missing and separating, reversible and irreversible. ) |  | Earth and Space  (other planets) | Living things and their habitats  (life cycles, reproduction) | Animals including humans  (changes in humans as the grow) |
| **Year 6** | Evolution and inheritance  (more about fossils, adaptation) | Electricity  (what effects bulb brightness, buzzer volume, voltage, symbols) | Animals including humans  (circulatory system, functions of the heart, blood vessels and blood, health, water transport in animals) | Light  (Travels in straight lines, how we see things) | Living things and their habitats  (classifying including microorganisms) |  |

Red – Physics

Green – Biology

Blue - Chemistry