 Smithdown Primary School 2021-2022

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