 Smithdown Primary School

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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, changes and weather) | | | Plants  (names and Structure) | Everyday Materials  (names and properties of simple materials) | Seasonal Changes (ongoing, changes and weather) | **Left blank for over running/ child initiated science** |
| Animals, including Humans (naming animal and body parts ) | | |
| **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) | Plants  (growing conditions for seeds and bulbs) |
| **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** | Sound  (fainter sounds further away, vibrations, pitch and volume) | Living things and their habitats  (grouping and simple classifying/changes to habitats can pose dangers) | | 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** | Living things and their habitats  (life cycles, reproduction) | Animals including humans  (changes in humans as the grow) | | Earth and Space  (other planets) | Properties and changes  (more properties including thermal and electrical conductivity , missing and separating, reversible and irreversible. ) | Forces  (Gravity, friction, air-resistance, levers, pulleys and gears.) |
| **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