**** School Overview for Science

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|  | **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