**St Charles RC Primary School**

**Science Curriculum Map**

**2022-2023**

| **Term** | **Nursery** | **Reception** | **Year 1** | **Year 2**  **Including 1/2** | **Year 3** | **Year 4** | **Year 5** | **Year 6**  **Including 5/6** |
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| **Autumn** | **In Nursery, Science is covered through the following curriculum questions.**    **Who am I and who are my friends?**    **Why are the leaves turning orange?**  **What happens when it gets cold?**  weather and seasons | **In Reception, Science is covered through the following curriculum questions.**    **Who am I?**  myself, my body and keeping healthy      **What happens when it gets cold?**  day and night, | **Seasonal Changes**  **Everyday materials**  (describing properties) | **Animals including Humans**  (needs for survival, food and hygiene) | **Termly Science Skills Focus: Planning Investigations** | | | |
| **Animals including humans**  (nutrition, skeleton and muscle)  **Rocks**  (fossils & soils) | **Animals including humans**  (digestive system in humans, food chains and identifying producers, predators and prey)  **Electricity**  (simple circuits, insulators and conductors) | **Animals including Humans**  (human development from birth to old age)  **Forces**  (gravity, air resistance, water resistance, friction) | **Animals including Humans**  (circulatory system, diet and exercise, healthy living)  **Electricity**  (voltage and power in circuits, circuit components, symbols and diagrams) |
| **Spring** | **Who lives in this house?**  **What happens when I plant a seed?**  growing  **Baby Animals**  (basic habitats, life cycle of a butterfly, ducklings) | **Where on Earth am I?**  **My world**  **What happens when I plant a seed?**  Plants growing  **Life cycle of a duck**  caring for living things | **Animals**  (comparing animals)  **Humans**  (parts of the human body) | **Uses of everyday materials**  (explore and compare materials for uses) | **Termly Science Skills Focus: Data Gathering** | | | |
| **Rocks contd**  **Forces and Magnets**  (magnetic materials, attracting and repelling) | **States of matter**  (solids, liquids and gases) | **Properties and Changes of Materials**  (dissolving, separating materials, reversible and irreversible changes) | **Light**  (how it travels, how we see, shadows)  **Living things and their habitats**  (Classifying animals, plants and micro-organisms) |
| **Summer** | **Who will help bear?**  **(Doctors, vets)**  **Water water everywhere!**  (Floating and sinking  Boats and bridges  Ice and water  sea animals) | **What happens next?**  what is an experiment ?  Predicting | **Plants**  (structure)  **Seasonal Changes**  **Review** | **Plants**  (what plants need to grow)  **Living things and their habitats**  (explore a variety of habitats, simple food chains) | **Termly Science Skills Focus: Evaluation of Investigations** | | | |
| **Plants**  (life cycles)  **Light**  (reflection and shadows) | **Living things & their habitats**  (classification keys)  **Sound**  (vibration, pitch and volume) | **Earth and Space**  (Earth, Sun and Moon, the Solar System)  **Living things and their habitats**  (life cycles and reproduction in humans and plants) | **Evolution and Inheritance**  (evolution, adaptation and fossils) |