**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 bridgesIce and watersea 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) |