**ST CHARLES’ CATHOLIC PRIMARY**

**SCHOOL**

**SCIENCE MEDIUM TERM PLANNING 2021-2022**

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|  | **AUTUMN** | **SPRING** | **SUMMER** |
| **YEAR 1** | **Seasonal Changes**  Observe changes and describe weather | **Plants**  Identify and name plants and their structure | **Animals Including Humans**  Identify and name animals and their structure including humans |
| **Everyday Materials**  Identify and name materials and their properties |

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| **YEAR 2** | **Uses of Everyday Materials**  Identify and compare uses and movement on different surfaces | **All Living Things and their Habitats**  Explore living/ dead things and habitats  Food Chains | **Plants**  How plants grow |
|  | **Animals Including Humans**  Survival, growth and exercise |
| **YEAR 3** | **Forces and Magnets**  Magnets and forces Compare, describe, group, properties magnetic materials | **Animals Including Humans**  Nutrition, skeletons and muscles | **Light**  Reflections and shadows |
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| **Rocks**  Compare, describe, group, properties, fossils, soils | **Plants**  Functions, growth, water transportation, flowers in life cycle |
| **YEAR 4** | **Living Things and their Habitats**  Identify living things and their environment classification key | **Electricity**  Circuits  Conductors and insulators | **States of Matter**  Compare, group solids, liquids, gases  Heating, cooling  Condensation, evaporation |
| **Animals Including Humans**  Digestive system, teeth, food chains | **Sound**  How sounds are made,  Vibrations, pitch and volume |
| **YEAR 5** | **Properties and Changes of Materials**  Compare, group, uses of materials  Solutions – dissolving and recovery  Separating – filtering, sieving, evaporation Reversible and irreversible change | **Earth and Space**  Movement - Earth to Sun, Moon to Earth  Spherical bodies  Rotation: day & night | **Animals Including Humans**  Human changes from birth to old age  . |
| **Forces**  Gravity, air and water resistance, friction, gears, pulleys, levers | **All Living Things**  Life cycles and reproduction in plants and animals |
| **YEAR 6** | **Light**  Travels in straight lines,  Reflections to eye, light sources to eye,  Shadows shape and size | **Evolution and Inheritance**  Change of living things over time, fossils, offspring and environment | **Animals Including Humans**  Circulatory system, Functions of heart, blood vessels and blood  Diet and exercise  Nutrients and water transportation  **All Living Things**  Plant and animal classification |
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| **Electricity**  Effects of number  Voltage of cells  Compare and give reasons for variations  Use and recognise circuit symbols |