



**St. Joseph's Catholic Primary School**  
**Science Long Term Plan**



|        | Year 1/2                                                                                                                                | Year 3/4                                                                                                                                         | Year 5/6                                                                                                                                                              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Year A | <b>Animals including Humans</b><br>(Offspring, Lifecycles, Survival, Being Healthy - Unit 2)                                            | <b>Animals including Humans</b><br>(Digestion, teeth - Unit 4)                                                                                   | <b>Animals including Humans</b><br>(Heart, diet, drugs - Unit 6)                                                                                                      |
|        | <b>Living Things</b><br>(Living, dead or never alive, Habitats, microhabitats, food chains - Unit 1)                                    | <b>Living Things</b><br>(MRS GREN, grouping living things, classification keys, environmental changes - Unit 2)                                  | <b>Living Things</b><br>(Classifying living thing, using a classification key, cells and microorganisms, helpful and unhelpful microorganisms - Unit 4)               |
|        | <b>Plants</b><br>(What's in the garden? Trees, Autumn, Spring - Unit 1)                                                                 | <b>Earth and Space</b><br>(Different rocks and their features, the three rock types, the rock cycle and how fossils are formed - Unit 2)         | <b>Light and Sound</b><br>(How does light travel, how can we see, reflection and refraction, investigating shadows and what is a rainbow? - Unit 2)                   |
|        | <b>Materials</b><br>(Suitability, natural/man made, changing shape of an object - Unit 2)                                               | <b>Materials</b><br>(Solids, liquid, gases, changes of state, how does temperature affect the rate of change of state, the water cycle - Unit 3) | <b>Evolution</b><br>(Species, DNA and genetics, Natural Selection and Adaptive Human Traits- Unit 1)                                                                  |
|        | <b>Electricity</b><br>(What is electricity? Being safe around electricity, a simple circuit investigation - Unit 1)                     | <b>Electricity</b><br>(What is electricity? Types of circuits, investigating circuits & insulators and conductors - Unit 2)                      | <b>Electricity</b><br>(Interpreting and drawing circuit diagrams, investigating changes in voltage, investigating resistant in circuits, static electricity - Unit 3) |
| Year B | <b>Animals including Humans</b><br>(Animal kingdoms, what animals eat, the structure of animals and our body and senses - Unit 1)       | <b>Animals including Humans</b><br>(Nutrition and food groups, the Human Body, Types of Skeletons and muscles – Unit 3)                          | <b>Animals including Humans</b><br>(Reproduction, puberty etc - Unit 5)                                                                                               |
|        | <b>Earth and Space</b><br>(Seasons/Weather - Unit 1)                                                                                    | <b>Movement, Forces and Magnets</b><br>(Forces over distances, Magnets, magnetism, magnetic materials - Unit 2)                                  | <b>Sound</b><br>(How sounds travels, sound waves, speed of sound, auditory ranges – Unit 2)                                                                           |
|        | <b>Materials</b><br>(What is a material, properties, comparing and grouping - Unit 1)                                                   | <b>Sound</b><br>(Good vibrations, how do we hear sounds? Pitch, Investigating sounds over the distance - Unit 1)                                 | <b>Earth and Space</b><br>(Where are we in our universe? The orbits of the planets, night and day, the moon & the role of space travel - Unit 3)                      |
|        | <b>Movement, Forces and Magnets</b><br>(Push, pull, float, sink - Unit 2)                                                               | <b>Plants</b><br>(Parts of a flowers, What Plants Need to live, Pollination, Seed dispersal - Unit 3)                                            | <b>Living Things</b><br>(Sexual and asexual reproduction, life cycles, metamorphosis, reproduction, flowers - Unit 3)                                                 |
|        | <b>Plants</b><br>(Where do plants come from? Life cycle of a plant, what plants need to live and plants in different climates - Unit 2) | <b>Light and Seeing</b><br>(What is light? Reflections, shadows, sun safety - Unit 1)                                                            | <b>Movement, Forces and Magnets</b><br>(Gravity, Resistance, Friction, Gears, pulleys and leavers - Unit 3)                                                           |
|        |                                                                                                                                         |                                                                                                                                                  | <b>Materials</b><br>(Suitability, reversible/irreversible change, mixing and dissolving, separating mixtures and solutions - Unit 4)                                  |