



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



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