



St Joseph's Catholic Academy Science Long Term Plan

Foundation Stage

Exploring Seasons: Autumn Why do trees lose their leaves? How does the weather change? How do animals prepare for winter?	Dinosaurs Comparing ancient animals to animals of the present day	Puddles and Seasons Exploring seasons: Spring How does the weather change?	Creep, Crawl and Wriggle Why do ladybirds have spots? Identifying animals, we already know.	On the beach What plants and animals live at the seaside?
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Year 1

Everyday Materials Identify and name materials: properties of materials	Animals inc Humans Human Body	Seasonal Changes Day length, Seasons of the year, weather.	Plants (Living things and their habitats) Parts of plants: seeds and bulbs: deciduous, evergreen.	Animals inc Humans Animals: Name, describe, compare animals, carnivores, herbivores and omnivores.
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Year 2

Animals inc Humans Humans; Basic needs: exercise and types of food	Living things and their habitats Habitats and food chains	Everyday Materials Uses; properties of liquids; changing solids	Plants (Living things and their habitats) Plants around us, seeds and bulbs, growing plants.	Animals inc Humans Animals: Living, dead, plant and animals offspring
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Year 3

Animals inc Humans Skeletal and muscular systems	Light and Shadows How we see; shadows; mirrors and reflection	Rocks Rocks, fossils and soil	Forces and Magnets Gravity; friction; magnetism, magnetic poles and fields	Plants (Living things and their habitats) Life cycle of flowering plants
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Year 4

Animals inc Humans Digestive System including teeth	Sound	States of Matter Solids, liquids and gases. The water cycle inc. Evaporation and condensation	Living things and their habitats Grouping and classifying, keys, vertebrates, invertebrates	Electrical Circuits and Conductors Switches, circuits, conductors, insulators
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Year 5

Earth and Space	Forces and Mechanisms	Animals inc Humans Human reproduction and ageing; life cycles	Properties and changes of materials
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Our Solar System; the moon, day and night	Gravity, air resistance, water resistance, and friction, mechanisms		Changing states, grouping and separating (filtering and evaporating). Dissolving, mixing, reversible changes
<b>Year 6</b>			
Animals inc Humans Circulatory system; diet, exercise, drugs	Electrical circuits and components Changing circuits, diagrams	Light Theory How we see, transparent, translucent	Evolution and inheritance Adaptation, evolution; fossils