St Oswald's Catholic Primary School

Science Long Term Plan 2026-2027

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
EYFS	Myself and my sense	Rainforest habitat Plants	Underwater habitats and animals	Living things in our school grounds	Jungle habitats Water cycle	Materials
Year 1	Animals including Humans Seasonal Change – Autumn and Winter		Seasonal Change - Spring	Everyday Materials	Plants	Seasonal Change - Summer
Year 2	Animals including Humans		Living things and their habitats	Plants		Uses of Everyday Materials
Year 3	Plants	Animals including humans	States of Matter		Forces and Magnets	Sound
Year 4	Animals including Humans		Electricity	Lights	Rocks	Living things and their habitats
Year 5	Animals including Humans		Forces	Properties and changes of Materials	Living things and their habitats	
Year 6	Evolution and Inheritance		Living things and their habitats	Earth and Space	Light	Electricity

EYFS Development Matters	**National Curriculum**		
The Natural World	**End of Key Stage 1**	**End of Lower Key Stage 2**	**End of Upper Key Stage 2**
Children at the expected level of development will: • Explore the natural world around them, making observations and drawing pictures of animals and plants. • Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class. • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	**Working Scientifically** • Ask simple scientific questions. • Observe closely using simple equipment. • Carry out simple tests and investigations. • Identify and classify. • Use observations and ideas to answer questions. • Gather and record data to help answer questions **Biology** • Identify and compare a variety of common plants and animals. • Describe the basic needs of animals, including humans. • Understand simple life cycles and growth.	**Working Scientifically** • Ask relevant scientific questions. • Set up simple comparative and fair tests. • Make careful observations and accurate measurements. • Gather, record and present data in a variety of ways. • Use scientific evidence to answer questions. **Biology** • Explain the functions of different parts of flowering plants. • Understand how living things can be grouped. • Describe simple food chains.	**Working Scientifically** • Plan different types of scientific enquiries. • Control variables appropriately. • Take precise measurements using a range of equipment. • Record data using scientific diagrams, labels, tables and graphs. • Identify patterns and relationships in data. • Evaluate evidence and draw conclusions. **Biology** • Describe life processes and reproduction in plants and animals. • Understand human development and changes through life.

	• Identify and name basic parts of the human body. • Recognise that living things live in habitats suited to their needs. **Chemistry** • Distinguish between different everyday materials. • Describe the simple physical properties of materials. • Compare and group materials according to their properties. **Physics** • Observe and describe seasonal changes. • Understand day length and weather patterns associated with the seasons.	• Explain nutrition, skeletons and muscles in humans. • Understand life processes and habitats. **Chemistry** • Compare and group materials according to states of matter. • Observe how materials change state. • Understand evaporation and condensation. • Recognise that some materials dissolve while others do not. **Physics** • Explain how things move on different surfaces. • Understand forces such as pushes, pulls, friction and magnetism. • Describe how sound is made and travels. • Understand simple electrical circuits. • Recognise patterns between the size of shadows and the position of light sources.	• Explain how living things are classified. • Understand evolution and inheritance. • Describe the impact of diet, exercise, drugs and lifestyle on the body. **Chemistry** • Compare and group materials based on their properties. • Explain reversible and irreversible changes. • Describe how mixtures can be separated. • Use knowledge of materials to explain everyday phenomena. **Physics** • Explain the movement of the Earth, Moon and Sun. • Understand day and night. • Describe the effects of gravity. • Explain forces including air resistance, water resistance and friction. • Understand simple mechanisms such as levers, pulleys and gears. • Explain how light travels and how shadows are formed. • Understand electrical circuits and the components within them.

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