



St Oswald's Catholic Primary School

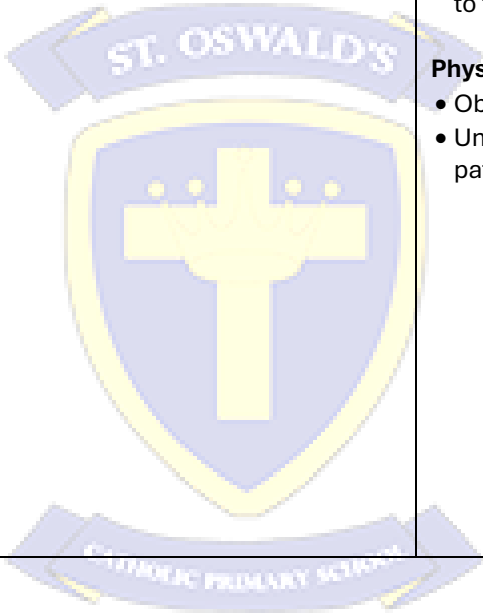


Science

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		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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