

THE BLESSED SACRAMENT CATHOLIC PRIMARY SCHOOL
SCIENCE STRAND / UNIT OVERVIEW



PURPOSE OF STUDY

A high-quality science education provides the foundations for understanding the world through the specific disciplines of biology, chemistry and physics. Science has changed our lives and is vital to the world's future prosperity, and all pupils should be taught essential aspects of the knowledge, methods, processes and uses of science. Through building up a body of key foundational knowledge and concepts, pupils should be encouraged to recognise the power of rational explanation and develop a sense of excitement and curiosity about natural phenomena. They should be encouraged to understand how science can be used to explain what is occurring, predict how things will behave, and analyse causes.

STRAND	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
SCIENTIFIC ENQUIRY <ul style="list-style-type: none"> Ideas and evidence. Plan investigative work. Obtain and present evidence. Consider evidence and approach. 	WORKING SCIENTIFICALLY CROSS CURRICULAR Questions and Observations	WORKING SCIENTIFICALLY CROSS CURRICULAR Simple tests to gather and record data	WORKING SCIENTIFICALLY CROSS CURRICULAR Accurate measuring and presenting results	WORKING SCIENTIFICALLY CROSS CURRICULAR Fair tests, predictions and conclusions	WORKING SCIENTIFICALLY CROSS CURRICULAR Presentation, explanation and discussion of results	WORKING SCIENTIFICALLY CROSS CURRICULAR Scientific enquiry - developing own ideas and investigations
BIOLOGY <ul style="list-style-type: none"> Plants. Living things in their environment. Humans and animals. 	RECOGNISING PLANTS	GROWING PLANTS	PARTS AND LIFECYCLE OF PLANTS		PLANT REPRODUCTION AND ANIMAL LIFECYCLES	
	HUMANS – BODY PARTS AND SENSES	HUMAN GROWTH, HYGIENE AND SURVIVAL	ANIMAL NUTRITION AND SKELETONS	DIGESTIVE SYSTEM AND ANIMAL FOOD CHAINS	HUMAN GROWTH AND CHANGE	CIRCULATION AND KEEPING HEALTHY
	IDENTIFYING AND COMPARING ANIMALS	ANIMALS GROWTH AND SURVIVAL		GROUPING AND CLASSIFYING LIVING THINGS		CLASSIFICATION OF LIVING THINGS
		LIVING THINGS AND THEIR HABITATS				EVOLUTION AND ADAPTATION
CHEMISTRY <ul style="list-style-type: none"> Material properties. Material changes. States of matter. 	EVERYDAY MATERIALS	USES OF MATERIALS	ROCKS AND FOSSILS	STATES OF MATTER	CHANGING MATERIALS AND THEIR PROPERTIES	
PHYSICS <ul style="list-style-type: none"> Forces and motion. Light. Electricity and magnetism. The Earth and beyond. Sound. 	OBSERVATION OF SEASONAL CHANGES		LIGHT	SOUND	EARTH AND SPACE	LIGHT
			FORCES AND MAGNETS	ELECTRICITY	FORCES	ELECTRICITY