

Curriculum: Science

EYFS					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Understanding the World	Seasonal Change	Manipulating Materials	Understanding the world	Living Things and their habitats	Animals, including humans
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YEAR 1					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Animals, including Humans	Everyday materials	Everyday materials	Plants	Animals, including Humans	Plants
Seasonal Change	Seasonal Change	Seasonal Change	Seasonal Change	Seasonal Change	Seasonal Change
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YEAR 2					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Living things and their habitats	Living things and their habitats	Uses of Everyday Materials	Animals including humans	Plants	Plants
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YEAR 3					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Light	Forces and magnets	Forces and magnets	Rocks	Plants	Animals including humans
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YEAR 4					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
States of matter	Sound	Sound	Electricity	Animals including humans	Living things and their habitats
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YEAR 5					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Animals, including humans	Earth and Space	Forces	Forces	Properties and changes of materials	Living things and their habitats
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YEAR 6					
TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6
Living things and their habitats	Evolution and inheritance	Electricity	Light	Animals including humans	Animal including humans

Curriculum Vision: Science

The aim of the Science curriculum at Sandgate Primary is to progressively build knowledge and curiosity, such that all pupils are supported to know more and do more as they move through the school, on to secondary education and into later life. The curriculum is designed around both substantive and disciplinary concepts to ensure that all pupils successfully learn the discipline of Science, along with the practical, investigative and theoretical knowledge that comprises the subject. The curriculum is supported by rigorous assessment approaches that accord all pupils the opportunity to demonstrate what they know and can do, whilst allowing gaps to be identified and addressed without impacting negatively on learning.

Substantive Threads: Science

Each unit within the Science curriculum at Sandgate is designed to progressively develop the following practical and theoretical strands of substantive knowledge:

- **The natural world:** exploring, categorising and describing, developing scientific concepts
- **Living things:** myself, plants and animals, and human life
- **Energy and forces:** light, sound, heat, magnetism and electricity, and forces
- **Materials:** properties and characteristics of materials, materials and change
- **Working scientifically:** questioning, observing, predicting, investigating and experimenting, estimating and measuring, analysis, recording and communicating, understanding representations and models

Disciplinary Threads: Science

Each unit within the Science curriculum at Sandgate is designed to progressively develop children's knowledge of the discipline of Science. Units have been organised around developing this in the following areas:

- **Methods to answer scientific questions:** reflecting the diversity of scientific methods, e.g. identifying, experimentation (fair testing), classification and grouping, pattern seeking, observing over time.
- **Apparatus and techniques, including measurement:** carrying out specific procedures knowledgeably safely and proficiently, with accurate measurement and data recording.
- **Analysis, presentation and evaluation of scientific data to draw valid conclusions:** presenting and processing scientific data in a variety of ways, including graphs and tables, used alongside substantive theory to draw tentative conclusions.
- **Development of scientific knowledge over time:** knowing how scientific laws and theories develop over time.