

- Substantive knowledge in the science curriculum can be divided into three key concepts: Biology, Chemistry and Physics.
- Within the long term timetable, these are further divided into the following units:

Biology	Chemistry	Physics
Animals including humans	Materials	Energy (Light and Sound)
Living things and their habitats	Geology	Electricity
Plants		Earth and Space/Seasons
Evolution		Forces

Key Concepts in Science

Animals including humans	Living things and their habitats	Plants	Evolution	Geology	Forces	Earth and Space/ seasons	Energy (light and sound)	Electricity	Materials
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	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
EYFS	Families, bodies and senses. Autumn	Exploring dark, winter	Exploring materials	Growth and change – plants and animals	Mini-beasts and farm animals	Summer, safety, lifecycles
Year 1	Everyday materials – sorting, classifying and properties	Light and Energy	Transport – Materials and Space	Animals including humans – mammals and birds in the local area	Plants	Animals including humans – mammals, birds, reptiles in the rainforests
		Seasons		Seasons		Seasons
Year 2	Animals including humans Forces	Growth	Everyday materials -	Everyday materials	Living things and their habitats – conservation of native animals	Living things and their habitats/plants- how to survive in hot climates
Year 3	Living things and their habitats/plants – surviving in cold habitats	Light	Fossils	Magnets	Animals including humans – movement and health	Plants
Year 4	Electricity	Animals including humans – the digestive system	Living things and their habitats – classification and marine habitats	Changing materials – Solids, liquids and gases and changing state	Sound	Living things and their habitats – Local study and water cycle
Year 5	Materials – separating materials	Space	Forces – resistance	Forces – simple machines	Rocks	Animals including humans/plants – lifecycles, reproduction and growth
Year 6	Animals including humans – the circulatory system	Light	Electricity	Classification	Evolution	Revisiting science
						Child-led investigation and transition project