

SCIENCE LONG TERM PLAN KS2 - 2 year programme

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<u>Light and sound</u>	<u>Properties and changes of materials E and C</u>	<u>Earth and space (rocks) fossils and soils</u>	<u>Forces and magnets</u> <u>Levers pulley and gears</u>	<u>Living things and their habitat</u> <u>nutrients/water. Life cycle environment.</u>	<u>Evolution and inheritance</u>
First Year - Key skills for each year group						
6	Number and voltage of cells in a circuit. Compare and give reason for variations.				Nutrients and water are transport within animals/humans	Living things change over time and produce offspring. Identify how animals and plants are adapted to suit their environment.
5	Conductors and insulators.			Levers, pulleys and gears.	Describe the life cycles of a mammal, an amphibian, an insect and a bird	
4	How sounds are made. Vibration to the ear. Pitch and pattern of sound.	Solids, liquids or gases. Changes in materials from heating and cooling. Evaporation and condensation in the water cycle.			Changes in environments could pose a danger to living things.	
3			Compare and group rocks. Fossils and soils.	Attract and repel two poles. Compare and group everyday materials.		

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	<u>Lights and shadow</u>	<u>Properties and change of materials SLG</u>	<u>Earth and space (rocks) solar system</u>	<u>Forces and magnets. Gravity and resistance</u>	<u>Living things and their habitat classification life cycle food chains plants</u>	<u>Evolution and inheritance Adaptation.</u>
Second year - Key skills for each year group						
6	Light travelling. Light sources to our eyes.				Classification of living things; micro-organisms, plants and animals. Nutrients and water are transport within animals/humans	Living things change over time and produce offspring. Identify how animals and plants are adapted to suit their environment.
5		Compare and group everyday materials. Solids, liquids and gases. Separating liquids; sieving, filtering and evaporating. Reversible changes and formation of new materials	Movements of the earth, moon and sun. Earth's rotation. Solar system.	Forces of gravity. Air resistance, water resistance and friction.	Describe the life cycles of a mammal, an amphibian, an insect and a bird	
4	Electrical circuits. How light bulbs work.				Grouping and classifying living things. Food chains.	
3	Light is reflected from the surface. Shadows. Dangers from the sun.				Identify and describe parts of a plant, its life cycle, their requirements for life and how water is transported within plants. Nutrition in animals/humans and growth	