



'...let your light shine before others, that they may see your good deeds and glorify your Father in heaven.' Matthew 5: 15-16

Our Science Curriculum Map

Year	Term	Class 2 (1/2) – Milestone 1		Class 3 (Y3/4) – Milestone 2		Class 4 (Y4/5) – Milestone 3	
A	Autumn	Earth and Space: observe seasonal changes.	Living things: investigate differences.	Animals and Humans: nutrition, transportation of water and nutrients in the body, and the muscle and skeleton systems of humans and animals. Look at the digestive system in humans. Look at teeth.	Light: look at sources, seeing, reflections and shadows. Explain how light appears to travel in straight lines and how this affects seeing and shadows.	Earth & Space: explain day and night	Light: explain how light appears to travel in straight lines and how this affects seeing and shadows.
	Spring	Materials: identify, name, describe, classify and compare properties and changes. Look at the practical uses of everyday materials.	Plants: identify, classify and describe their basic structure. Observe and describe growth and the conditions for growth.	Forces & Magnets: look at contact and distant forces, attraction and repulsion, comparing and grouping materials. Look at poles, attraction and repulsion.	Rocks and Fossils: compare and group rocks and describe the formation of fossils.	Sound: look at sources, vibration, volume and pitch.	Materials: look at solubility and recovering dissolved substances, separate mixtures, examine changes to materials that create new materials that are usually not reversible.

	Summer	Materials: identify, name, describe, classify and compare properties and changes. Look at the practical uses of everyday materials.	Plants: identify, classify and describe their basic structure. Observe and describe growth and the conditions for growth.	Plants: look at the function of parts of flowering plants, requirements for growth, water transportation in plants, life cycles and seed dispersal.	Materials: look at the properties of materials using various tests.	Evolution and Inheritance: look at differences in offspring, adaptation and evolution, changes to the human skeleton over time.	Living Things: look at the life cycle of animals, plants and humans, look at reproduction in plants and animals and human growth and changes (RSE link).
B	Autumn	Light & Sound: Sources of light and reflections. Sources of sound.	Electricity: look at appliances and circuits.	States of Matter: look at solids, liquids and gases, changes of state, evaporation, condensation and the water cycle.	Earth and Space: look at the movement of the earth and the moon.	Animals and Humans: look at the human circulatory system.	Living things: look at classification of plants, animals and micro-organisms.
	Spring	Forces: Describe basic movements (push, pull, twist) and friction (resistance).	Earth and Space: observe seasonal changes & learn about weather around the world (Geography link)	Evolution and Inheritance: look at resemblance in offspring, changes in animals over time, adaptation to environments.	Sound: look at sources, vibration, volume and pitch.	Electricity: look at circuits, the effect of the voltage in cells and the resistance and conductivity of materials.	Forces & Magnets: look at the effect of gravity and drag forces. Look at the transference of forces in gears, pulleys, levers and springs.
	Summer	Animals and Humans: Identify, classify and observe. Look at growth, basic needs, exercise, food and hygiene. (RSE link)		Electricity: look at appliances, circuits, lamps, switches, insulators and conductors. Look at circuits, the effect of the voltage in the cells and the resistance and conductivity of materials.	Living Things: identify and name plants and animals, look at classification keys.	Living Things: look at reproduction in plants and animals and human growth and changes (RSE link). Look at the effect of diet, exercise and drugs.	