



Y3/4 Science - long-term overview

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer
Year A (2023-24)	Animals, including humans (Y3)	Sound (Y4)	States of matter (Y4)	Electricity (Y4)	Plants (Y3)
	Nutrition, skeleton, muscles	How sounds are made and vibration, patterns of pitch and where it comes from, patterns of volume and vibrations, sounds quieten as source distance increases	Compare and group materials (solid, liquid, gas). Changes of state due to heating or cooling. Evaporation and condensation in the water cycle.	Identify appliances using electricity. Construct simple electric circuits. Lights in circuits. Switches in open and closed circuits. Common conductors and insulators.	Labelling features, describing functions, requirements for life and growth. Water transportation in plants. Pollination. Seed formation and dispersal.
Year B (2022-23)	Animals, including humans (Y4)	Light (Y3)	Rocks (Y3)	Forces and magnets (Y3)	Living things and their habitats (Y4)
	Digestive system, teeth, food chains	Light to see. Light is the absence of dark. Light is reflected from surfaces. Sunlight dangers and protection. Shadows and patterns of shadows.	Group and compare rocks. Physical properties. Fossils, soils, organic matter.	Compare how things move on different surfaces. Types of force. Magnets attract and repel. Magnets 2 poles, magnet predictions.	Living things groups, classification keys. Environmental change and danger to habitats.

