Ewanrigg Junior School
Science Curriculum
Cycle A 2025-2026,
Cycle B 2026-2027

Year group	Cycle	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3/4	A	Physics - Forces and Magnets Contact and non-contact forces Investigate surfaces Magnetic forces	Physics - Light Relationship between light and how we see Reflection Formation of shadows	Physics - Electricity Simple series circuits Conductors and insulators	Biology - Plants Parts and function of flowering plants Life cycle Pollination	Physics - Sound How are sounds made? Exploring volume, pitch and sound insulation	Biology - Food & Digestion The human digestive system and food relationships in ecosystems
	B	Scientific Enquiry - Ask questions Practical enquires Observations Gathering, recording and reporting	Chemistry - States of Matter Solids, liquids and gases	Biology - Animals including humans Nutrition Skeletons Muscles	Biology - Animals including humans; Habitats and classification	Biology - Animals including humans; Conservation How environmental changes can pose dangers to living things	Chemistry - Rocks and Soils Formation and properties Classification Fossil formation Explore soil
Year 5/6	A	Physics - Electricity Electrical circuits Voltage and cells	Biology - Evolution and Inheritance Fossils Introduction to the idea that adaptation may lead to evolution	Physics - Light How light travels and is reflected, and how this allows us to see	Biology - Living things and their habitats Further classification of organisms based on characteristics	Biology - Animals including humans Functions of the human body	Chemistry - Properties of materials Compare and group materials. Separating mixtures through filtering, sieving and evaporation.
	B	Chemistry - Changes of materials Chemical reactions Reversible and non-reversible changes	Physics -Climate change Climate change and sustainability	Biology - Living things and their habitats Life cycles of a mammal, amphibian, insect, bird, and some reproduction processes	Biology - Human Development Human development to old age	Physics - Forces Gravity, air and water resistance and friction; Pulleys and levers Mechanisms - Gears	Physics - Earth & Space Movements of planets and the Moon, and relationship to day and night