

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	<u>Chemistry – Rocks</u> Comparisons of types of rocks and how fossils are formed	<u>Physics - Light</u> Relationship between light and how we see; the formation of shadows	<u>Biology – Organisms</u> The role of muscles and skeletons; the importance of nutrients	<u>Biology – Plants</u> Features of flowering plants and what they need to survive	<u>Physics – Forces and Motion</u> Introducing pushes and pulls; opposing forces, and balanced forces	<u>Physics – Magnetism</u> Contact and non-contact forces, including friction and magnetism
	B	<u>Biology – Classifying Organisms</u> Introduction to classifying animals and their environment	<u>Biology – Food & Digestion</u> The human digestive system and food relationships in ecosystems	<u>Chemistry – Particle Motion & States of Matter</u> States of matter in relation to particle arrangement	<u>Physics – Sounds</u> Relationship between strength of vibrations and volume of sound	<u>Physics – Electricity</u> Simple series circuits	<u>Chemistry – Properties of Materials</u> Considering physical and chemical properties
Year 5/6	A	<u>Physics – Electricity</u> Investigating variations in series and parallel circuits, and how electricity is generated	<u>Biology – Evolution</u> Fossils; introduction to the idea that adaptation may lead to evolution	<u>Physics – Light</u> How light travels and is reflected, and how this allows us to see	<u>Biology – Further Classification</u> Further classification of organisms based on characteristics	<u>Biology – Functions of the Human Body</u> Further classification of organisms based on characteristics	<u>Chemistry – Physical Chemical Changes</u> Identifying physical and chemical changes
	B	<u>Chemistry – Separating Materials</u>	<u>Physics – Energy</u> Introducing the concept of energy stores and energy	<u>Biology – Life Cycles</u> Life cycles of a mammal, amphibian, insect, bird, and some	<u>Biology – Human Development</u>	<u>Physics – Forces</u> Gravity, air and water resistance and	<u>Physics – Earth & Space</u>

		Identifying and separating mixtures; reversible and non-reversible changes	transfers; relate this to prior knowledge	reproduction processes	Human development to old age	friction; introduction to pulleys	Movements of planets and the Moon, and relationship to day and night
--	--	--	---	------------------------	------------------------------	-----------------------------------	--

