

Curriculum Map 2025 2026

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8
Autumn 1	This half term, students will learn about different types of chemical reactions, including exothermic and endothermic changes, and how energy is transferred in chemical processes. They will also begin exploring how organisms rely on respiration and photosynthesis to survive within ecosystems.							
Unit	Introduction and baselines	Reactions – chemical energy and types of reactions	Reactions – chemical energy and types of reactions	Ecosystems – respiration and photosynthesis	Ecosystems – respiration and photosynthesis	Ecosystems – respiration and photosynthesis	Assessment/Data Check	
Autumn 2	This half term, students will deepen their understanding of energy by exploring how it is transferred through work, heating, and cooling. They will also investigate the Earth's climate system, considering human impact and natural factors that drive climate change.							
Unit	Energy – work and heating and cooling	Energy – work and heating and cooling	Energy – work and heating and cooling	Earth – climate	Earth – climate	Earth – climate	Revision, assessment and gap fill	
Spring 1	This half term, students will explore the Earth's resources, learning about how they are extracted, used, and managed sustainably. Later in the term, they will begin to study evolution, examining the evidence for natural selection and how species adapt over time.							
Unit	Earth – Earths resources	Earth – Earths resources	Earth – Earths resources	Genes – Evolution	Genes – Evolution	Assessment/Data check		
Spring 2	This half term, students will study inheritance by learning how genetic information is passed from one generation to the next. They will also explore the effects of waves, such as light and sound, and how these phenomena interact with matter.							

Unit	Genes – inheritance	Genes – inheritance	Genes – inheritance	Waves – effects	Assessment/Data check			
Summer 1	This half term, students will continue their study of waves by investigating their properties, including amplitude, frequency, and wavelength. They will apply this knowledge to real-world contexts such as communication and medical technologies.							
Unit	Waves – effects	Waves – effects	Waves – properties	Waves – properties	Waves – properties	Assessment-Data collection		
Summer 2	This half term, students will begin preparing for the transition to KS4 science, building on prior knowledge and exploring topics linked to their chosen options. They will also take part in enrichment activities designed to broaden their scientific thinking and skills.							
Unit	Transition to KS4 – TBC dependent on options	Transition to KS4 – TBC dependent on options	Transition to KS4 – TBC dependent on options	Transition to KS4 – TBC dependent on options	Assessment/Data collection	Enrichment	Enrichment	