



SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW Y7-9

SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW YEAR 7			
Year 7	Autumn Term	Spring Term	Summer Term
Biology Content/Unit(s)	Topics are taught on rotation with other sciences Movement and cells – what makes up organisms? Interdependence and Plant Reproduction – how do plants reproduce and what is their place in habitats? Variation and Human Reproduction – What causes variation in organisms?		
Chemistry Content/Unit(s)	Topics are taught on rotation with other sciences Particle model and separating mixtures – what makes up everything around us? Atoms, elements and compounds – first exploration of the periodic table Acids and bases – how can chemicals react?		
Physics Content/Unit(s)	Topics are taught on rotation with other sciences Speed and gravity – an introduction to forces Voltage, Resistance and Current – Introducing electricity Energy Costs and Energy Transfer – Exploring the effects of energy Sound and Light – an introduction to waves		
Summative Assessment	Assessments will cover all three sciences and assess content taught previously		
Progress Review	Year 7 AP1 December 2025	Year 7 AP2 March 2026	

SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW YEAR 8

Year 8	Autumn Term	Spring Term	Summer Term
Biology Content/Units(s)	Topics are taught on rotation with other sciences Breathing and digestion – Ensuring cells have the energy they need Respiration and Photosynthesis – How energy is transferred in organisms Evolution and Inheritance – DNA and its effects		
Chemistry Content/Units(s)	Topics are taught on rotation with other sciences Climate and Earth's Resources – The chemistry of our planet Chemical Energy and Reactions – Deeper exploration of chemical reactions Metals and materials – How chemicals can be combined		
Physics Content/Units(s)	Topics are taught on rotation with other sciences Contact Forces and Pressure – deeper understanding of forces Electromagnets and magnetism – an introduction to electromagnetic effects Work, Heating and Cooling – deeper understanding of energy transfers Wave effects and Wave Properties – deeper exploration of waveS		
Summative Assessment	Assessments will cover all three sciences and assess content taught previously		
Progress Review	Year 8 AP1 November 2025	Year 8 AP2 May 2026	

SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW YEAR 9

Year 9	Autumn Term	Spring Term	Summer Term
Biology Content/Units(s)	<p align="center">Cells</p> <p align="center">Structure of cells Specialised cells Cell reproduction</p>		<p align="center">Organisation</p> <p align="center">Cells, Tissues, Organs, Organ Systems Digestion Circulatory System</p>
Chemistry Content/Units(s)	<p align="center">Atomic Structure</p> <p align="center">What makes up an atom and causes reactions</p> <p align="center">Periodic Table</p> <p align="center">The structure of the periodic table and group chemistry</p> <p align="center">Rates of Reaction</p> <p align="center">Understanding and measuring the rates of chemical reactions</p>		<p align="center">Organic Chemistry 1</p> <p align="center">An introduction to crude oil and its products</p> <p align="center">Energy changes</p> <p align="center">The energy changes involved in chemical reactions</p>
Physics Content/Units(s)	<p align="center">Atomic Structure</p> <p align="center">What makes up an atom and how do we know</p> <p align="center">Energy</p> <p align="center">Transfer of energy between stores and pathways</p>		<p align="center">Forces</p> <p align="center">The effect of forces (balanced and unbalanced)</p> <p align="center">Electricity</p> <p align="center">An introduction to current electricity</p>
Summative Assessment	Assessments carried out at the end of each round of teaching. Tests are subject based (Biology, Chemistry, Physics), rather than a holistic Science assessment		
Progress Review	Year 9 AP1 January 2026	Year 9 AP2 June 2026	