

SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW Years 7-9

HISTORY 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 January	Year 7 AP2 May	

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 October	Year 8 AP2 March	

SCIENCE CURRICULUM AND ASSESSMENT OVERVIEW YEAR 9

Year 9	Autumn Term	Spring Term	Summer Term
Biology Content/Units(s)	Cells Structure of cells Specialised cells Cell reproduction	Organisation Cells, Tissues, Organs, Organ Systems Digestion Circulatory System	
Chemistry Content/Units(s)	Atomic Structure What makes up an atom and causes reactions Periodic Table The structure of the periodic table and group chemistry Rates of Reaction Understanding and measuring the rates of chemical reactions	Organic Chemistry 1 An introduction to crude oil and its products Energy changes The energy changes involved in chemical reactions	
Physics Content/Units(s)	Atomic Structure What makes up an atom and how do we know Energy Transfer of energy between stores and pathways	Forces The effect of forces (balanced and unbalanced) Electricity An introduction to current electricity	
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 December	Year 9 AP2 May	