

Science - Year 7 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Matter: Solids, liquids and gases. Separation techniques. The periodic table.	Building blocks of life: Cells and DNA.	Electricity and magnetism: Circuits, voltage and resistance. Magnetic fields and electromagnets.	Living processes: Anaerobic and aerobic respiration.	Reactions: Elements, mixtures and compounds. Acids and alkalis. Neutralisation reactions. Metal reactions.	Forces: Speed-time and distance-time graphs. Friction and air resistance. Moments and pressure.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on matter.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on all year 7 topics.

Science - Year 8 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Energy: Energy stores and transfers. Machines and levers. Conduction, convection and radiation.	Energy in reactions: Combustion and fuels. Endothermic and exothermic reactions. Chemical and physical changes.	Living together: Photosynthesis. Reproduction. Food chains and webs. Interdependence.	Waves: Light and sound waves. Reflection and refraction.	Earth and its resources: Raw materials from the earth and the environmental issues associated with their extraction.	Wondrous variety: Classification of species.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on energy.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on all year 8 topics.

Combined Science - Year 9 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Cell biology. Atomic structure and the periodic table.	Energy. Organisation.	Organisation continued. Bonding, structure and the properties of metals.	Electricity.	Infection and response.	Quantitative chemistry. Particle model of matter.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on cell	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT

	biology and atomic structure and the periodic table.		Summative assessment on terms 1a-2a.		Summative assessment on all year 9 topics.
Biology - Year 9 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Cell biology.	Organisation.	Organisation.	Infection and response.	Infection and response.	Infection and response.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on cell biology.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on all year 9 topics.
Chemistry - Year 9 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Atomic structure and the periodic table.	Bonding, structure and the properties of metals.	Quantitative chemistry.	Quantitative chemistry.	Chemical change.	Chemical change.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on atomic structure and the periodic table.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on all year 9 topics.
Physics - Year 9 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Energy.	Electricity.	Electricity.	Particle model of matter.	Particle model of matter continued. Atomic structure.	Atomic structure.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on energy.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on all year 9 topics.

Combined Science - Year 10 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Quantitative chemistry. Infection and response.	Energy. Chemical changes.	Chemical changes continued. Bioenergetics.	Electricity.	Homeostasis and response.	Energy changes. The rate and extent of chemical change.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment quantitative chemistry and infection and response.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Mock examination on all year 10 topics.

Biology - Year 10 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Infection and response.	Infection and response continued. Bioenergetics.	Bioenergetics continued. Homeostasis and response.	Homeostasis and response.	Inheritance, variation and response.	Inheritance, variation and response.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on infection and response.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Mock examination on all year 10 topics.

Chemistry - Year 10 Long Term Curriculum Map

TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Chemical changes.	Energy changes.	The rate and extent of chemical change.	Organic chemistry.	Organic chemistry.	Chemical analysis.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on chemical changes.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Mock examination on all year 10 topics.

Physics - Year 10 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Energy.	Waves.	Waves.	Forces.	Forces.	Forces.
ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on energy.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Summative assessment on terms 1a-2a.	ASSESSMENT Formative assessment on scientific skills.	ASSESSMENT Mock examination on all year 10 topics.
Combined Science - Year 11 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Global challenges (Biology).	Global challenges (Chemistry).	Global challenges (Physics).	Consolidate learning, address misconceptions and prepare for post 16 study.	Revision/exams.	Revision/exams.
ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.	ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.		
Biology - Year 11 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Global challenges (Biology).	Global challenges continued (Biology).	Consolidate learning, address misconceptions and prepare for post 16 study.	Consolidate learning, address misconceptions and prepare for post 16 study.	Revision/exams.	Revision/exams.
ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.	ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.		
Chemistry - Year 11 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Global challenges (Chemistry).	Global challenges continued (Chemistry).	Consolidate learning, address misconceptions and prepare for post 16 study.	Consolidate learning, address misconceptions and prepare for post 16 study.	Revision/exams.	Revision/exams.
ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.	ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.		

Physics - Year 11 Long Term Curriculum Map					
TERM 1A	TERM 1B	TERM 2A	TERM 2B	TERM 3A	TERM 3B
Energy. Global challenges (Physics).	Global challenges continued (Physics).	Consolidate learning, address misconceptions and prepare for post 16 study.	Consolidate learning, address misconceptions and prepare for post 16 study.	Revision/exams.	Revision/exams.
ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.	ASSESSMENT Formative assessments on scientific skills.	ASSESSMENT Mock examination.		