

Subject: Science	Accreditation: AQA GCSE Science Double award AQA ELC Science double award	Pathway: 3
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## LONG TERM PLAN

		<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>
<u>KS4</u>	Cycle 1	<b>Topic(s): Biology</b> – The Human Body	<b>Topic: Chemistry</b> – Elements, mixtures and compounds Coursework	<b>Topic(s): Chemistry</b> – Elements, mixtures and compounds Coursework <b>Physics</b> – force, energy and structure of matter	<b>Topic(s): Physics</b> – force, energy and structure of matter Coursework	<b>Topic(s): Biology</b> – diffusion, osmosis, photosynthesis, and respiration	<b>Topic(s): Chemistry</b> – reactivity of metals and pH <b>Physics</b> – Forces, Hooke’s law and density
	Cycle 2	<b>Topic(s): Biology</b> – Environment, evolution and inheritance	<b>Topic: Chemistry</b> – Chemistry in our World	<b>Topic: Chemistry</b> – Chemistry in our World Coursework Physics- Electricity, Magnetism and Waves	<b>Topic Physics-</b> Electricity, Magnetism and Waves Coursework Revision	<b>Revision for GCSE exams</b>	<b>Topic: Biology</b> – inheritance and evolution <b>Chemistry-</b> Climate change, pollution, carbon footprint <b>Physics</b> – Electricity and Magnetism
<u>KS3</u>	Cycle 1	Particle model Separating mixtures Body movement	Cells, Voltage and resistance Current Light	Earths structure Universe Gravity	Variation Human reproduction Sound	Metals and non metals Acid and alkalis Energy transfers	Speed Interdependence Plant reproduction
	Cycle 2	Periodic table. Elements. Contact forces	Voltage and resistance. Current. Pressure. Breathing	Digestion. Chemical energy. Types of reactions	Evolution and inheritance. Heating and Cooling	Magnetism and Electromagnets. Climate. Earths resources	Respiration. Photosynthesis. Work Waves
<u>KS2</u>	Cycle 1	Properties and changes in materials (1)	Light and Sound	Electricity	Animals – human development	Properties and changes in materials (2)	Living things and their habitats – life cycles
	Cycle 2	Animals including humans	Earth and Space	Rocks	Evolution and inheritance	Forces	Living things and their habitats - classification

Subject: Science	Accreditation: AQA unit awards (at pre entry level, entry level, level 1-3)	Pathway: 2
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		<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>	<u>Spring 2</u>	<u>Summer 1</u>	<u>Summer 2</u>	<u>Autumn 1</u>	<u>Autumn 2</u>	<u>Spring 1</u>
<u>KS3/4</u>	Cycle 1	Electricity and Magnets	States of matter and separation techniques	Cells and Human body	Forces and Waves	Properties of materials/ acids and alkalis	Plants and interdependence	Space and Energy	Chemical reactions/ Earths resources	Variation/Evolution and Human reproduction
	Cycle 2	Electricity and Magnets	States of matter and separation techniques	Cells and Human body	Forces and Waves	Properties of materials/ acids and alkalis	Plants and interdependence	Space and Energy	Chemical reactions/ Earths resources	Variation/Evolution and Human reproduction

