

Science KS3 Units taught:

	Year 7	Year 8	Year 9
Autumn Term	Matter part 1- particle model. Forces part 1-forces and speed	Organisms part 2 – breathing and digestion.	Our place in the Universe. Our planet. Using our planet.
	Organisms part 1 – movement and cells.	Forces part 2 – gravity, contact forces and pressure. Matter part 3 – elements and the Periodic Table.	A World of energy part 1 – energy stores, energy transfers.
Spring Term	Matter part 2- separation techniques.	Matter part 3 – elements and the Periodic Table continued.	A World of energy part 2- chemical changes, photosynthesis and respiration.
	Waves – sound and light, wave effects and wave properties.	Electromagnetism– potential difference and resistance, current, magnetism and electromagnets.	A World of energy part 3- conservation and dissipation, energy transfer by heating.
Summer Term	Reactions part 1 – acids and alkalis.	Ecosystems part 2- respiration and photosynthesis.	The living planet- adaptations, interdependence and competition, genes, evolution and inheritance.
	Reproduction- genes, human reproduction and plant reproduction.	Reactions part 2 – metals and non-metals and types of reactions.	Natural cycles- disruption to food chains, organising an

	Ecosystems part 1- interdependence.		ecosystem, biodiversity, Earth's atmosphere.
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Science KS4 Units taught:

	Year 10	Year 10 Triple Science
Autumn Term	Biology: Cell structure and transport. Cell Division. Chemistry: Atomic structure. The Periodic table. Physics: Electric circuits Electricity in the home.	Biology: Cell structure and transport. Cell Division. Chemistry: Atomic structure. The Periodic table. Physics: Electric circuits Electricity in the home.
Spring Term	Biology: Organisation and the digestive system. Organising plants and animals. Chemistry: Structure and bonding.	Biology: Communicable diseases. Preventing disease. Non-communicable diseases.

	Quantitative chemistry. Physics: Molecules and matter. Radioactivity.	Chemistry: Quantitative chemistry. Chemical changes. Electrolysis. Physics: Forces in balance. Energy refresh.
Summer Term	Biology: Communicable diseases. Preventing disease. Non-communicable diseases. Chemistry: Chemical changes. Electrolysis.	Biology: The human nervous system. Hormonal coordination. Chemistry: Energy changes. Crude oil and fuels. Physics: Motion. Forces in motion.

	Year 11 M Band	Year 11 C Band	Year 11 Triple Science
Autumn Term	Biology: The human nervous system. Hormonal coordination. Chemistry: Energy changes. Rates of reaction. Crude oil and fuels.	Biology: The human nervous system. Hormonal coordination. Reproduction. Variation and evolution. Chemistry: Energy changes. Rates of reaction.	Biology: Homeostasis in action. Reproduction. Chemistry: Rates of reaction. Organic reactions. Polymers. Physics:

	Physics: Forces in balance. Motion. Forces in motion.	Crude oil and fuels. Physics: Forces in balance.	Force and pressure. Wave properties. Electromagnetic waves.
Spring Term	Biology: Reproduction. Variation and evolution. Genetics and evolution. Chemistry: Crude oil and fuels. Chemical analysis. Physics: Wave properties. Electromagnetic waves. Electromagnetism.	Biology: Genetics and evolution. Chemistry: Chemical analysis. Physics: Motion. Forces in motion. Wave properties. Electromagnetic waves. Electromagnetism.	Biology: Variation and evolution. Genetics and evolution. Chemistry: Chemical analysis. Using our resources. Physics: Light. Electromagnetism. Space physics.
Summer Term			