

Autumn1– Year 9 Science–OA-CAM	Autumn 2 – Year 9 Science – OA-CAM	Spring 1 – Year 9 Science – OA-CAM	Spring 2 – Year 9 Science -OA-CAM	Summer 1 – Year 9 Science – OA-CAM	Summer 2 – Year 9 Science – OA-CAM
<p>The Human Body</p> <p>Digestive system Circulatory system</p> <p>Energy, Forces and the Structure of Matter</p> <p>Energy stores and transfers Reducing unwanted energy transfers</p>	<p>The Human Body</p> <p>Respiration Cells and levels of organisation</p> <p>Energy, Forces and the Structure of Matter</p> <p>Energy resources- renewable and non-renewable</p>	<p>The Human Body</p> <p>Infectious diseases and the immune system</p> <p>Elements, Mixtures and Compounds</p> <p>Atoms and elements Chemical reactions</p>	<p>The Human Body</p> <p>Medical drugs The nervous and endocrine systems</p> <p>Elements, Mixtures and Compounds</p> <p>Compounds and mixtures Separating mixtures</p> <p>ELC Component 1</p>	<p>Energy, Forces and the Structure of Matter</p> <p>Types and effects of forces Speed and stopping distances</p> <p>Elements, Mixtures and Compounds</p> <p>Metals and alloys</p>	<p>Energy Forces and the Structure of Matter</p> <p>Radioactivity</p> <p>Elements, mixtures and compounds</p> <p>Polymers</p> <p>ELC Components 2 and 3</p>

Autumn1– Year 10	Autumn 2 – Year 10	Spring 1 – Year 10	Spring 2 – Year 10	Summer 1 – Year 10	Summer 2 – Year 10
Science–OA-CAM	Science– OA-CAM	Science – OA-CAM	Science -OA-CAM	Science – OA-CAM	Science – OA-CAM
<p>Biology</p> <p>Digestion and enzyme action Food tests The circulatory system Blood cells cardiovascular disease Cancer Respiration</p> <p>Physics</p> <p>Heating and changes of state Energy conservation and dissipation Energy Efficiency</p>	<p>Biology</p> <p>Cell structures Microscopy Exchange surfaces Transport into and out of cells</p> <p>Physics</p> <p>Energy resources Density</p>	<p>Biology</p> <p>Human communicable diseases The human immune system Vaccination Infectious diseases and the immune system Medicines and testing new drugs</p> <p>Chemistry</p> <p>Atomic number and the periodic table Chemical equations States of matter and the particle model</p>	<p>Biology</p> <p>The human endocrine system Insulin and diabetes Human reproductive hormones and contraception The human nervous system Homeostasis</p> <p>Chemistry</p> <p>Chemical bonding Properties of substances with different bonding Bonding and structure in forms of carbon Mixtures</p>	<p>Physics</p> <p>Forces as vectors Mass and weight Work Speed and Velocity Newton's laws Stopping distances</p> <p>Chemistry</p> <p>Metals and non metals Properties of metals Extraction of metals from their ores Electrolysis Recycling</p>	<p>Radioactivity</p> <p>Radioactive decay Contamination and irradiation Isotopes</p> <p>ELC Component 2</p> <p>ELC Component 3</p>

Reducing unwanted energy transfers			Methods of separation ELC Component 1		
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Autumn1– Year 11	Autumn 2 – Year 11	Spring 1 – Year 11	Spring 2 – Year 11	Summer 1 – Year 11	Summer 2 – Year 11
Science–OA-CAM	Science – OA-CAM	Science – OA-CAM	Science-OA-CAM	Science – OA-CAM	Science – OA-CAM
<p>Biology</p> <p>Plant structure Plant diseases Photosynthesis Levels of organisation in an ecosystem Competition Factors that affect communities</p> <p>Physics</p> <p>Electricity and magnetism Current in a circuit d.c and a.c current Wiring a plug Energy transfer in electrical appliances</p>	<p>Physics</p> <p>Magnetic fields Electromagnets and solenoids</p> <p>Chemistry</p> <p>Reactions of acids pH and neutralisation Making salts Energy and the rate of reactions</p>	<p>Biology</p> <p>Chromosomes and genes Sex determination in humans Single gene inheritance Genetic engineering Sexual and asexual reproduction Evolution, natural and artificial selection</p> <p>Physics</p> <p>Waves</p>	<p>Chemistry</p> <p>Hydrocarbons in crude oil Fractional distillation of crude oil Polymers Development of the Earth's atmosphere Human impacts on climate</p> <p>Physics</p> <p>Electromagnetic spectrum Components Uses</p>	GCSE revision/preparation	GCSE revision/preparation