

Autumn 1 – Year 9	Autumn 2 – Year 9	Spring 1 – Year 9	Spring 2 – Year 9	Summer 1 – Year 9	Summer 2 – Year 9
Science – OA-CAM	Science – OA-CAM	Science – OA-CAM	Science – OA-CAM	Science – OA-CAM	Science – OA-CAM
<p>The Human Body</p> <ul style="list-style-type: none"> ➤ Digestive system ➤ Circulatory system <p>Energy, Forces and the Structure of Matter</p> <ul style="list-style-type: none"> ➤ Energy stores and transfers ➤ Reducing unwanted energy transfers 	<p>The Human Body</p> <ul style="list-style-type: none"> ➤ Respiration ➤ Cells and levels of organisation <p>Energy, Forces and the Structure of Matter</p> <ul style="list-style-type: none"> ➤ Energy resources- renewable and non-renewable 	<p>The Human Body</p> <ul style="list-style-type: none"> ➤ Infectious diseases and the immune system <p>Elements, Mixtures and Compounds</p> <ul style="list-style-type: none"> ➤ Atoms and elements ➤ Chemical reactions 	<p>The Human Body</p> <ul style="list-style-type: none"> ➤ Medical drugs ➤ The nervous and endocrine systems <p>Elements, Mixtures and Compounds</p> <ul style="list-style-type: none"> ➤ Compounds and mixtures ➤ Separating mixtures <p>ELC Component 1</p>	<p>Energy, Forces and the Structure of Matter</p> <ul style="list-style-type: none"> ➤ Types and effects of forces ➤ Speed and stopping distances <p>Elements, Mixtures and Compounds</p> <ul style="list-style-type: none"> ➤ Metals and alloys 	<p>Energy Forces and the Structure of Matter</p> <ul style="list-style-type: none"> ➤ Radioactivity <p>Elements, mixtures and compounds</p> <ul style="list-style-type: none"> ➤ Polymers <p>ELC Components 2 and 3</p>

Autumn 1 – 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> <ul style="list-style-type: none"> ➤ Digestion and enzyme action ➤ Food tests ➤ The circulatory system ➤ Blood cells ➤ cardiovascular disease ➤ Cancer ➤ Respiration <p>Physics</p> <ul style="list-style-type: none"> ➤ Heating and changes of state ➤ Energy conservation and dissipation ➤ Energy Efficiency 	<p>Biology</p> <ul style="list-style-type: none"> ➤ Cell structures ➤ Microscopy ➤ Exchange surfaces ➤ Transport into and out of cells <p>Physics</p> <ul style="list-style-type: none"> ➤ Energy resources ➤ Density 	<p>Biology</p> <ul style="list-style-type: none"> ➤ Human communicable diseases ➤ The human immune system ➤ Vaccination ➤ Infectious diseases and the immune system ➤ Medicines and testing new drugs <p>Chemistry</p> <ul style="list-style-type: none"> ➤ Atomic number and the periodic table ➤ Chemical equations ➤ States of matter and the particle model 	<p>Biology</p> <ul style="list-style-type: none"> ➤ The human endocrine system ➤ Insulin and diabetes ➤ Human reproductive hormones and contraception ➤ The human nervous system ➤ Homeostasis <p>Chemistry</p> <ul style="list-style-type: none"> ➤ Chemical bonding ➤ Properties of substances with different bonding ➤ Bonding and structure in forms of carbon ➤ Mixtures 	<p>Physics</p> <ul style="list-style-type: none"> ➤ Forces as vectors ➤ Mass and weight ➤ Work ➤ Speed and Velocity ➤ Newton’s laws ➤ Stopping distances <p>Chemistry</p> <ul style="list-style-type: none"> ➤ Metals and non metals ➤ Properties of metals ➤ Extraction of metals from their ores ➤ Electrolysis ➤ Recycling 	<p>Radioactivity</p> <ul style="list-style-type: none"> ➤ Radioactive decay ➤ Contamination and irradiation ➤ Isotopes <p>ELC Component 2</p> <p>ELC Component 3</p>



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➤ Reducing unwanted energy transfers			➤ Methods of separation ELC Component 1		
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Autumn 1 – 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> <ul style="list-style-type: none"> ➤ Plant structure ➤ Plant diseases ➤ Photosynthesis ➤ Levels of organisation in an ecosystem ➤ Competition ➤ Factors that affect communities <p>Physics</p> <ul style="list-style-type: none"> ➤ Electricity and magnetism ➤ Current in a circuit ➤ d.c and a.c current ➤ Wiring a plug ➤ Energy transfer in electrical appliances 	<p>Physics</p> <ul style="list-style-type: none"> ➤ Magnetic fields ➤ Electromagnets and solenoids <p>Chemistry</p> <ul style="list-style-type: none"> ➤ Reactions of acids ➤ pH and neutralisation ➤ Making salts ➤ Energy and the rate of reactions 	<p>Biology</p> <ul style="list-style-type: none"> ➤ Chromosomes and genes ➤ Sex determination in humans ➤ Single gene inheritance ➤ Genetic engineering ➤ Sexual and asexual reproduction ➤ Evolution, natural and artificial selection <p>Physics</p> <ul style="list-style-type: none"> ➤ Waves 	<p>Chemistry</p> <ul style="list-style-type: none"> ➤ Hydrocarbons in crude oil ➤ Fractional distillation of crude oil ➤ Polymers ➤ Development of the Earth's atmosphere ➤ Human impacts on climate <p>Physics</p> <ul style="list-style-type: none"> ➤ Electromagnetic spectrum ➤ Components ➤ Uses 	<p>GCSE revision/preparation</p>	<p>GCSE revision/preparation</p>

