

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 10	<p>P1 Conservation & Dissipation of Energy Reducing energy losses. Conduction, convection and radiation.</p> <p>P4 Electrical Circuits Series and parallel circuits.</p> <p>P5 Electricity in the Home Apply electricity to uses in the home.</p> <p>P7 Radioactivity Alpha, beta and gamma radiation.</p>	<p>C1 Atomic Structure The insides of an atom and the nucleus.</p> <p>C2 Periodic Table The origins and development of the periodic table.</p> <p>C4 Chemical Calculations Carry out calculations related to RAM, moles and yield.</p> <p>C6 Electrolysis How to use electrolysis separate compounds.</p>	<p>C3 Structure and Bonding Ionic, covalent and metallic bonding.</p> <p>C7 Energy Changes Exothermic and endothermic reactions.</p> <p>B1 Cell Structure and Transport The structure of animal and plant cells and the movement of substances via diffusion, osmosis and active transport.</p> <p>B4 Organising Animals and Plants Blood, the heart and transport systems in animals and plants.</p>	<p>B2 Cell Division Mitosis, meiosis and stem cells.</p> <p>B3 Organisation of the Digestive System Structure of the digestive system and enzymes.</p>	<p>B9 Respiration Aerobic and anaerobic respiration.</p> <p>B8 Photosynthesis Factors affecting photosynthesis.</p>	<p>Revision Common revision techniques, reviewing exam-style questions and undergoing both 'content' and 'skill' assessments.</p>
Year 11	<p>P8 Forces in Balance Sorting forces into vectors and scalars and representing forces with diagrams.</p> <p>P9 Motion Mapping motion using speed-time and acceleration-time graphs.</p> <p>P10 Forces and Motion Acceleration, momentum, braking and safety in cars.</p> <p>P12 Wave Properties The nature and properties of waves.</p> <p>P13 Electromagnetic Waves The electromagnetic spectrum and uses of waves within it.</p> <p>P15 Electromagnetism Magnets and the motor effect.</p>	<p>C8 Rates of Reaction Factors affecting the rate of a chemical reaction.</p> <p>C9 Crude Oil Hydrocarbons and fractional distillation.</p> <p>C12 Chemical Analysis Pure substances, mixtures and chromatography.</p> <p>C13 Earth's Atmosphere The history of the early atmosphere, greenhouse effect and climate change.</p> <p>C14 Earth's Resources Water treatment, finite resources and recycling.</p>	<p>B10 Human Nervous System The nervous system, reflexes and homeostasis.</p> <p>B11 Hormonal Coordination Hormones, diabetes and human reproduction.</p> <p>B13 Reproduction Types of reproduction, DNA and the genome.</p> <p>B14 Variation and Evolution Natural selection, variation and genetic engineering</p>	<p>B15 Genetics and Evolution Evolution, extinction and fossils.</p> <p>B16 Adaptation Plant and animal adaptation in different habitats.</p> <p>B17 Organising the Ecosystem Feeding relationships and the carbon cycle.</p> <p>B18 Biodiversity The human population, land, water and air pollution.</p>	<p>Revision Common revision techniques, reviewing exam-style questions and undergoing both 'content' and 'skill' assessments.</p>	Official Examinations