

Baines Science Year 11 Curriculum

<u>Half term 1</u>		<u>Half term 2</u>		<u>Half term 3</u>		<u>Half term 4</u>		<u>Half term 5</u>	<u>Half term 6</u>
<u>Biology</u>									
Plant Structures and their Functions		Animal coordination, control and homeostasis		Exchange and transport in animals		Ecosystems and material cycles		Revision	Revision
<i>Core Practical: Investigate the effect of light intensity on the rate of photosynthesis</i>		<i>Core Practical: Investigate the rate of respiration in living organisms</i>				<i>Core Practical: Investigate the relationship between organisms and their environment using field-work techniques, including quadrats and belt transects</i>			
<u>Prelim Exam</u>				<u>Mock Exam</u>				<u>GCSE Paper 1 Exam</u>	<u>GCSE Paper 2 Exam</u>
<u>Chemistry</u>									
Fuels and Earth Science	Hydrocarbons (separate only)	Alcohols and carboxylic acids + Polymers (separate only)	Earth and Atmospheric Science	Groups in the periodic table	Reaction Rates and energy changes	Bulk and Surface properties of matter (separate only)	Qualitative Analysis (separate only)	Revision	Revision
		<u>Cope practical – Investigating fuels (separate only)</u>		<u>Core Practical – investigating reaction rates</u>		<u>Core practical (separate only) identifying ions</u>			
<u>Prelim Exam</u>				<u>Mock Exam</u>				<u>GCSE Paper 1 Exam</u>	<u>GCSE Paper 2 Exam</u>
<u>Physics</u>									
Energy, Forces Doing Work	Static Electricity (Separate only)	Electricity and Circuits		Magnetism and the motor effect	Electromagnet ic Induction	Particle Model, Forces and Matter		Revision	Revision

	<i>Core Practical: Construct electrical circuits to: a investigate the relationship between potential difference, current and resistance for a resistor and a filament lamp b test series and parallel circuits using resistors and filament lamps</i>		<i>Core Practical: Investigate the densities of solid and liquids</i> <i>Core Practical: Investigate the properties of water by determining the specific heat capacity of water and obtaining a temperature-time graph for melting ice</i>		
<u>Prelim Exam</u>		<u>Mock Exam</u>		<u>GCSE Paper 1 Exam</u>	<u>GCSE Paper 2 Exam</u>