

Baines Science Year 11 Curriculum – Sept 2023

<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>											
Genetics		Genetics	Ecology	Ecology		Revision		Revision		Revision	
		measure the population size of a common species in a habitat. Use sampling techniques to investigate the effect of a factor on the distribution of this species.									
		<u>Mock exam 1</u>		<u>Mock exam 2</u>				<u>GCSE Exams</u>		<u>GCSE Exams</u>	
<u>Chemistry</u>											
Rates of reaction	Organic Chemistry	Chemical Analysis	Earth's Atmosphere	Earth's Resources		Revision		Revision		Revision	
investigate how changes in concentration affect the rates of reactions by a method involving measuring the volume of a gas produced and a method involving a change in colour or turbidity.		investigate how paper chromatography can be used to separate and tell the difference between coloured substances. Students should calculate Rf values.		analysis and purification of water samples from different sources, including pH, dissolved solids and distillation.							
		<u>Mock exam 1</u>		<u>Mock exam 2</u>				<u>GCSE Exams</u>		<u>GCSE Exams</u>	
<u>Physics</u>											
Forces		Waves		Magnetism	Astronomy (Separate only)	Revision		Revision		Revision	
		make observations to identify the suitability of apparatus to measure the frequency, wavelength and speed of									

	<i>waves in a ripple tank and waves in a solid and take appropriate measurements. investigate how the amount of infrared radiation absorbed or radiated by a surface depends on the nature of that surface.</i>				
	<u>Mock exam 1</u>	<u>Mock exam 2</u>		<u>GCSE Exams</u>	<u>GCSE Exams</u>