



## Verulam School: Key Stage 4 CURRICULUM INFORMATION

**Department: Science**

**Subject Leader: Alexander Jamali**

**Subject Vision:** Our Science curriculum is designed to develop our students as strong independent thinkers who are curious about the world around them and develop their own scientific interests. We want them to have a range of complex scientific & transferable skills that allows them to make reasoned judgments for themselves and for the wider community.

	<b>YEAR 10</b>					
<b>Term</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
Topic/Unit Title	Biology: Organisation and the Digestive System Chemistry: Chemical Calculations; Chemical Changes Physics: Electrical Circuits	Biology: Organising Plants Chemistry: Electrolysis; Energy Changes Physics: Electricity in the home	Biology: Communicable Diseases; Preventing and Treating Diseases Chemistry: Energy Changes Physics: Molecules and Matter	Biology: Non-Communicable Diseases Chemistry: Rates and Equilibrium Physics: Radioactivity	Biology: Respiration, The Human Nervous System Chemistry: Crude Oil and Fuels Physics: Forces in Balance	Biology: Hormonal Co-ordination Chemistry: Organic Reactions Physics: Motion
	<b>YEAR 11</b>					
<b>Term</b>	<b>Autumn 1</b>	<b>Autumn 2</b>	<b>Spring 1</b>	<b>Spring 2</b>	<b>Summer 1</b>	<b>Summer 2</b>
Topic/Unit Title	Biology: Reproduction; Variation and Evolution Chemistry: Chemical Analysis; Our Atmosphere Physics: Force and Motion; Force and Pressure	Biology: Genetics and Evolution Chemistry: The Earth's Resources; Using our Resources Physics: Wave Properties	Biology: Adaptation and Interdependence Chemistry: Polymers Physics: Electromagnetic Waves	Biology: Organisation of an Ecosystem; Biodiversity Chemistry: Revision Physics: Light; Electromagnetism	Biology: Revision Chemistry: Revision Physics: Space; Revision	Biology: Revision Chemistry: Revision Physics: Revision