



## Verulam School: Key Stage 5 CURRICULUM INFORMATION

**Department: Science**

**Subject Leader: Mr L Charmokly**

**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 12</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	<b>Physics</b> Foundations of Physics Motion, Forces in Action, Current and Charge, Energy, power and resistance	<b>Physics</b> Forces in action, Work, energy and power Charge, Energy, power and resistance	<b>Physics</b> Work, energy and power Electrical circuits Waves 1	<b>Physics</b> Materials Waves 2	<b>Physics</b> Laws of motion and Momentum Quantum Physics	<b>Physics</b> Thermal Physics Capacitors
Assessment	Written assessment comprising of exam questions from the relevant exam board	Written assessment comprising of exam questions from the relevant exam board	Written assessment comprising of exam questions from the relevant exam board	Written assessment comprising of exam questions from the relevant exam board	End of year exams	Written assessment comprising of exam questions from the relevant exam board
<b>YEAR 13</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	<b>Physics</b> Ideal gases Circular motion Oscillations Electric fields Magnetic Fields	<b>Physics</b> Gravitational Fields Particle Physics Radioactivity	<b>Physics</b> Stars Cosmology Nuclear Physics Medical Imaging	<b>Revision</b>	<b>Revision</b>	<b>Revision</b>

Assessment	Written assessment comprising of exam questions from the relevant exam board	TRIALS FULL 2 HOUR PAPER	Written assessment comprising of exam questions from the relevant exam board	TRIALS FULL 2 HOUR PAPER	REVISION AND PUBLIC EXAMS	REVISION AND PUBLIC EXAMS
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