

Subject	Physics		
	Interpretation of National Curriculum into Year group Endpoints		
Year	Term 1	Term 2	Term 3
13	<p>Students will describe and explain the concepts of:</p> <ul style="list-style-type: none"> <li>Thermal physics</li> <li>Thermal energy transfer</li> <li>Ideal gases</li> <li>Molecular kinetic theory</li> <li>Gravitational Fields</li> <li>Newtons law</li> <li>Gravitational potential</li> <li>Orbit</li> <li>Electric fields</li> <li>Coulombs law</li> <li>Electric field strength</li> <li>Electric potential</li> </ul>	<p>Students will describe and explain the concepts of:</p> <ul style="list-style-type: none"> <li>Nuclear Physics</li> <li>Radioactivity</li> <li>Nuclear stability</li> <li>Nuclear radius</li> <li>Induced Fission</li> <li>Magnetic fields</li> <li>Magnetic flux density</li> <li>Moving charges in a magnetic field</li> <li>Magnetic flux and flux linkage</li> <li>EM induction</li> <li>Alternating currents</li> <li>Operation of a transformer</li> <li>Astro-Physics</li> <li>Telescopes</li> <li>Classification of stars</li> <li>Cosmology</li> </ul>	<p>Students will take the three exams which make up the assessment for A-Level Physics.</p>