

Dates	Half-term 1	Half-term 2	Half-term 2&3	Half-term 4&5	Half-term 6
Topic	4.4 Atomic structure	4.1 Energy re-teach	4.2 Electricity re-teach	4.5 Forces	
Topic overview Students will learn...	<p>To recognise the different historical models of the atom and understand how the model has changed overtime. (Cross-over content with chemistry unit atomic structure).</p> <p>To describe the currently accepted model of the atom.</p> <p>To describe nuclear radiation, its uses and management.</p> <p>To quantify nuclear decay and explain how nuclear fission and fusion work.</p>	<p>To recall stores and transfers of energy and apply these transfers to systems.</p> <p>How to quantify changes in energy to systems and how energy is conserved and dissipated.</p> <p>How energy is generated and transported.</p>	<p>To interpret and construct circuit diagrams.</p> <p>To explain the different types of circuits and components and their effects on circuit behaviours.</p> <p>How to quantify the changes in the electrical circuits.</p> <p>How mains and portable electricity differ.</p>	<p>To categorise forces and apply Newton's laws.</p> <p>To describe both quantitatively and qualitatively motion in a line.</p> <p>To apply a range of formulas in various scenarios.</p> <p>To calculate momentum and apply conservation of momentum (HT).</p>	<p>Physics Paper 1 consolidate</p> <p>Year 10 Internal Examinations</p>