

**Plan Of Learning For The Year (Unit/Topic/Project Context)**

<p><b>Half Term 1</b></p> <ul style="list-style-type: none"> <li>Physics – Electricity 1</li> </ul> <p><b>Half Term 2</b></p> <ul style="list-style-type: none"> <li>Physics – Electricity 2</li> </ul> <p><b>Half Term 3</b></p> <ul style="list-style-type: none"> <li>Physics - Particles</li> </ul>	<p><b>Half Term 4</b></p> <ul style="list-style-type: none"> <li>Physics – Magnetism 1</li> </ul> <p><b>Half Term 5</b></p> <ul style="list-style-type: none"> <li>Physics Magnetism 2</li> </ul> <p><b>Half Term 6</b></p> <ul style="list-style-type: none"> <li>Physics – Magnetism 3</li> <li>Review and consolidation of the year to include end of year assessment, followed by review of any gaps.</li> </ul>
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<b>Feedback, Retrieval &amp; Assessment</b>	<b>Super curriculum opportunities / extra-curricular activities</b>	<b>Cultural Capital, SMSC, Careers and Futures</b>
<ul style="list-style-type: none"> <li>Regular self and peer assessment</li> <li>Regular Formative Assessment</li> <li>Termly Teacher Assessment (FFA)</li> <li>Termly Formal Assessment (FA)</li> <li>Whole Class Feedback</li> </ul>	<ul style="list-style-type: none"> <li>Use of Seneca to Support Learning both as homework and independent study</li> </ul>	<ul style="list-style-type: none"> <li>Career Link in Each Unit, linking to the Gatsby Benchmark</li> <li>Opportunities for Practical work that both links and applies to industry</li> <li>Transferable skills via practicals such as problem solving, group work and working to a deadline.</li> </ul>

<b>Common misconceptions</b>	<b>Connecting New Knowledge</b>	<b>Challenge for all</b>
<ul style="list-style-type: none"> <li>All Liquids boil at 100°C</li> <li>Heat is not energy</li> <li>All metals are attracted to a magnet</li> <li>A magnetic field is a pattern of lines</li> <li>Wires are hollow like a hose, and electrons move inside the hollow space</li> <li>Objects become positively charged because they have gained protons.</li> <li>Objects become positively charged because their electrons have been destroyed.</li> <li>All atoms are charged.</li> </ul>	<ul style="list-style-type: none"> <li>Regular revisiting of core vocabulary and key concepts, building key knowledge for GCSE</li> <li>Provision of Knowledge Organisers for each topic given at the start</li> <li>Provision of Curriculum map</li> </ul>	<ul style="list-style-type: none"> <li>Regular use of scaffolds and structured practice</li> <li>Clearly defined success criteria and use of clear feedback model to show next steps to improve</li> <li>Stretch activates built in to each lesson</li> </ul>