

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

**Half Term 1**

- Physics - Forces

**Half Term 2**

- Physics Forces 2

**Half Term 3**

- Physics - Space

**Half Term 4**

- Physics - Space

**Half Term 5**

- Physics Waves

**Half Term 6**

- Preparation for the terminal GCSE Examinations

<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>• The terms Energy and Force are interchangeable</li> <li>• Stars and constellations appear in the same place every night</li> <li>• Acceleration always occurs in the same direction, as an object is moving.</li> <li>• If an object has a speed of zero (even instantaneously), it has no acceleration</li> <li>• The only natural motion is for an object to be at rest.</li> <li>• If an object is at rest, no forces are acting on the object.</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 activities built in to each lesson</li> </ul>