



# SCIENCE YEAR PLANNER (LTP)

## YEAR 11 PHYSICS TRILOGY



Term	Learning content/skills	Assessment Schedule*	Home Learning Support (How students can extend learning in addition to homework)
Autumn 1	<b>6.5 Forces</b> <ul style="list-style-type: none"><li>6.5.1 Forces and their interactions</li><li>6.5.2 Work Done and energy transfer</li><li>6.5.3 Forces and elasticity</li></ul>	<b>Practical 19 <math>F=ma</math></b> <b>6.5.1/2/3 Forces and interactions and work done and energy transfer– end of section test</b>	<ul style="list-style-type: none"><li>Doddle</li><li>Purchase of relevant revision guide</li><li>BBC Bitesize</li></ul>
Autumn 2	<b>6.5 Forces</b> <ul style="list-style-type: none"><li>6.5.4 Forces and Motion</li><li>6.5.4.2 Forces, acceleration and Newton’s laws</li><li>4.6.4.3 Forces and braking</li></ul>	<b>Practical 18 extension of a spring</b> <b>6.5.4.1/2 forces and motion and Newton’s laws – end of section test</b>	<ul style="list-style-type: none"><li>Doddle</li><li>Purchase of relevant revision guide</li><li>BBC Bitesize</li></ul>
Spring 1	<b>6.5 Forces</b> <ul style="list-style-type: none"><li>6.5.4.3 Forces and Braking</li><li>6.5.5 Momentum (HT-FT)</li></ul>	<b>6.5 Forces – end of Unit test</b>	<ul style="list-style-type: none"><li>Doddle</li><li>Purchase of relevant revision guide</li><li>BBC Bitesize</li></ul>

\*All assessments may be subject to alteration to best suit the learning needs of students.

<b>Spring 2</b>	<b>6.7 Magnetism and Electromagnetism</b> <ul style="list-style-type: none"> <li>• 6.7.1 Permanent and Induced magnetism</li> <li>• 6.7.2 The Motor Effect</li>   <li>• Practicals Skills Unit – may need to share teaching with Biology and Chemistry teachers for timing.</li> <li>• Revision of year 10</li> </ul>	<b>6.7 Magnetism and Electromagnetism – end of unit test</b>	<ul style="list-style-type: none"> <li>• <b>Doddle</b></li> </ul>
<b>Summer 1</b>	<ul style="list-style-type: none"> <li>• <b>Revision of year 11</b></li> </ul>		<ul style="list-style-type: none"> <li>• <b>Doddle</b></li> </ul>
<b>Summer 2</b>	<ul style="list-style-type: none"> <li>• <b>Trilogy exam</b></li> </ul>		<ul style="list-style-type: none"> <li>• <b>Doddle</b></li> </ul>