

## The Henslow School Annual Planning Overview

*This is a summary for parents, carers and students which shows the likely areas of study.  
It will be adapted by the teacher to suit groups and individuals.*

<b>Subject/Qualification</b>	<b>GCSE Physics</b>
<b>Year group/Class information</b>	<b>10</b>
<b>Approx Number of lessons per week</b>	<b>4</b>

<b>Term</b>	<b>Topic/Course Information</b>
<b>Autumn 1 (Sep - Oct)</b>	SP1 Motion <ul style="list-style-type: none"> <li>• Vectors and Scalars</li> <li>• Graphs</li> <li>• Acceleration</li> </ul> SP2 Motion and Forces <ul style="list-style-type: none"> <li>• Resultant forces</li> <li>• Newton's Laws</li> <li>• Stopping distances and crash hazards</li> </ul>
<b>Autumn 2 (Nov - Dec)</b>	SP3 Conservation of Energy <ul style="list-style-type: none"> <li>• Energy stores and transfers</li> <li>• Energy efficiency</li> <li>• Non-renewable and renewable energy</li> </ul>
<b>Spring 1 (Jan - Feb)</b>	SP4 Waves <ul style="list-style-type: none"> <li>• Wave speeds</li> <li>• Refraction</li> </ul> SP5 Light and the Electromagnetic Spectrum <ul style="list-style-type: none"> <li>• Ray diagrams</li> <li>• Colour</li> <li>• Lenses</li> <li>• Electromagnetic waves</li> <li>• Uses of Electromagnetic waves</li> <li>• Dangers of Electromagnetic waves</li> </ul>
<b>Spring 2 (Mar - Apr)</b>	SP6 Radioactivity <ul style="list-style-type: none"> <li>• Atoms</li> <li>• Radiation</li> <li>• Using radioactivity</li> <li>• Nuclear energy</li> </ul>
<b>Summer 1 (Apr - May)</b>	SP7 Astronomy <ul style="list-style-type: none"> <li>• Solar System</li> <li>• Gravity and orbits</li> <li>• Stars</li> <li>• Red-Shift</li> <li>• Universe</li> </ul>
<b>Summer 2 (June - July)</b>	SP8&9 Forces and their effects <ul style="list-style-type: none"> <li>• Work and Power</li> <li>• Objects affecting each other</li> </ul>