
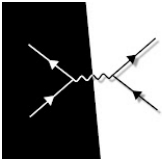





YEAR 12 CURRICULUM INFORMATION – Physics

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	Teacher	Autumn HT 1	Autumn HT 2	Spring HT 1	Spring HT 2	Summer HT 1	Summer HT 2
What will students be learning?	<b>ASH</b>	Matter & Radiation and Particles	Quantum Phenomena	Waves	Optics	Electricity	Practical Skills
	<b>LCJ</b>	Forces and Equilibrium	Motion	Momentum	Work, Energy and Power		Materials
How will students be assessed?	<ol style="list-style-type: none"> <li>1. Summary question check after each “new input” lesson</li> <li>2. Exam question practice sessions every second lesson</li> <li>3. End of chapter test at the end of each topic</li> <li>4. Six required practical assessments spread throughout the year (related to specific topics)</li> <li>5. End of year examination in final half term</li> </ol>						
What employability skills are being developed?	<ul style="list-style-type: none"> <li>• Critical thinking and reflection of personal learning</li> <li>• Team working skills in problem solving scenarios</li> <li>• Data analysis and interpretation</li> <li>• Practical laboratory and fine motor skills</li> </ul>						
Wider Curriculum Links?	<ul style="list-style-type: none"> <li>• Mathematics – Practical application of many topics covered (i.e. mechanics and dynamics questions)</li> <li>• Biology – Biomechanics based questions and lenses relating to the eyeball</li> <li>• Engineering – Material, mechanical and electrical types</li> <li>• Chemistry – Discussion of sub-atomic particles and interactions. Electron energy levels linked to orbitals.</li> </ul>						
What useful websites are there for this topic? <b>Click links for more info</b>	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <a href="https://www.khanacademy.org">Khan Academy</a> </div> <div style="text-align: center;">   <a href="https://www.physics-online.com">Physics Online</a> </div> <div style="text-align: center;">   <a href="https://www.physicsandmathstutor.com">Physics and Maths Tutor</a> </div> <div style="text-align: center;">   <a href="https://www.savemyexams.com">Save My Exams</a> </div> <div style="text-align: center;">             Realising potential  <a href="https://www.aqa.org.uk">AQA Specification</a> </div> </div>						

<p>What wider reading could be done for this topic?</p> <p><b>Click links for more info</b></p>	<p><b>Textbook</b> (<i>required</i>): <a href="#">AQA A Level Physics Student Book (2<sup>nd</sup> Ed)</a></p> <p><b>Practical Revision Guide:</b> <a href="#">AQA A-level Physics Student Guide: Practical Physics</a></p> <p><b>Revision Guide and Workbook:</b> <a href="#">A-Level Physics AQA: Revision Bundle</a></p>
<p>What else can students be doing independently to develop their understanding of this topic?</p> <p><b>Click links for more info</b></p>	<p><b>Review of Prior Learning:</b> Using the linked AQA specification above to RAG grade understanding and performance in end of topic tests.</p> <p><b>Personal Revision:</b> Revisiting, reading and practising areas of difficulty identified by RAG grading. Use your textbook for this!</p> <p><b>Exam Question Practice</b> (<i>made available by topic</i>): Available on Microsoft Teams area after course enrolment.</p>