

## Changes in AQA GCSE Physics

### Comparison of draft AQA science specifications with current AQA science specifications: Physics units P1, P2 and P3

Unit	New content/new emphases	Content transferred in from a different unit	Content transferred out to a different unit	Content removed (and not referenced in any of the units)
P1	<ul style="list-style-type: none"> <li>• Kinetic theory</li> <li>• Energy transfer by evaporation and condensation</li> <li>• Factors affecting the rate of energy transfer</li> <li>• U-values</li> <li>• Specific heat capacities</li> <li>• Transverse and longitudinal waves and their characteristics</li> <li>• Cosmic microwave background radiation</li> </ul>	<ul style="list-style-type: none"> <li>• Reflection in a plane mirror (from P3)</li> <li>• Sound waves (from P3)</li> </ul>	<ul style="list-style-type: none"> <li>• Atomic structure and radioactivity (to P2)</li> <li>• Absorption of electromagnetic radiation (to P3)</li> <li>• Effect of electromagnetic radiation on living cells (to P3)</li> <li>• Optical fibres (to P3)</li> </ul>	<ul style="list-style-type: none"> <li>• Analogue and digital signals</li> <li>• Observations of the solar system</li> </ul>
P2	<ul style="list-style-type: none"> <li>• Elasticity and Hooke's law</li> <li>• Gravitational potential energy</li> <li>• Light emitting diodes</li> <li>• Circuit breakers</li> <li>• Nuclear equations</li> <li>• Star life cycles</li> </ul>	<ul style="list-style-type: none"> <li>• Atomic structure and radioactivity (from P1)</li> <li>• Star formation (from P3)</li> </ul>	<ul style="list-style-type: none"> <li>• Kinetic theory</li> <li>• Energy transfer by evaporation and condensation</li> <li>• Factors affecting the rate of energy transfer</li> <li>• U-values</li> <li>• Specific heat capacities</li> <li>• Transverse and longitudinal waves and their characteristics</li> <li>• Cosmic microwave background radiation</li> </ul>	<ul style="list-style-type: none"> <li>• Atom economy</li> </ul>
P3	<ul style="list-style-type: none"> <li>• Structure of the eye and correction of vision</li> <li>• Focal length, refractive indices and lens power</li> <li>• Laser applications</li> <li>• Levers</li> <li>• Hydraulics</li> <li>• Pendulums</li> <li>• Switch mode transformers</li> </ul>	<ul style="list-style-type: none"> <li>• Absorption of electromagnetic radiation (from P1)</li> <li>• Effect of electromagnetic radiation on living cells (from P1)</li> <li>• Optical fibres (from P1)</li> </ul>	<ul style="list-style-type: none"> <li>• Reflection in a plane mirror (to P1)</li> <li>• Sound waves (to P1)</li> <li>• Star formation (to P2)</li> </ul>	<ul style="list-style-type: none"> <li>• Generators</li> </ul>