

<p>6.1.3 National grid and global energy resources, Non-renewable resources</p> <p>PU2 Electricity: Spec ref: 6.2.1 Current, potential difference and resistance</p> <p>Current and circuit symbols</p> <p>Resistance and $V=IR$</p> <p>Resistance and I-V characteristics</p> <p>Required practical 16 (but number 4 on free science lessons) Use circuit diagrams to construct appropriate circuits to investigate a variety of circuit elements (Not the resistance of a wire required practical)</p>	<p>National and global energy demands and resources - Energy demands - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>Components: Electrical circuit symbols - Electric circuits - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>Electrical circuit symbols - Electric circuits - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize – pages 1-3 (not the resistance required practical)</p> <p>Required practical Bitesize and Free science lessons</p> <p>Required practical - investigate current - voltage graphs - Electric circuits - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>GCSE Science Revision Physics "Required Practical 4: Current / PD Characteristics" - Bing video</p>	<p>Pg 173-177</p> <p>Pg 179</p> <p>Pg 180</p> <p>Pg 181</p> <p>Pg 181</p>	<p>Pg 79-81</p> <p>Pg 82</p> <p>Pg 83/84</p> <p>Pg 84</p>
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<p>PU3 Particle Model of Matter: Spec ref: 6.3.1 Changes of state and the particle model and 6.3.3 Particle model and pressure</p> <p>The particle model and motion in gases</p> <p>Density of Materials (not the required practical for determining density of regular or irregular objects)</p> <p>Internal energy and changes of state</p>	<p>Particle motion - Particles in gases - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>Density - Density of materials - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>Cognito: GCSE Physics - Density #26 - Bing video</p> <p>States of matter - Temperature change and energy - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>Cognito: GCSE Physics - Internal Energy and Specific Heat Capacity #27 - Bing video</p>	<p>Pg 191</p> <p>Pg 192</p> <p>Pg 193</p>	<p>Pg 88</p> <p>Pg 89</p> <p>Pg 89</p>
<p>PU4: Atomic Structure:</p> <p>Spec ref: 6.4.2: Atoms and nuclear radiation</p> <p>Nuclear Equations</p>	<p>Nuclear equations - Radioactive decay - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p>	<p>Pg 197</p>	<p>Pg 93</p>

Distance-time and velocity- time graphs	Motion in a straight line - Describing motion - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize – all pages in this section Cognito- GCSE Physics - Distance-Time Graphs #53 - Bing video GCSE Physics - Velocity Time Graphs #54 - Bing video	Pg 209	Pg 98 Pg 99
6.5.4.2 Forces, accelerations and Newton's laws of motion Newton's 1 st and 2 nd Laws	Newton's First Law - Forces, acceleration and Newton's laws - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize Newton's Second Law - Forces, acceleration and Newton's laws - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize	Pg 211	Pg 100
Inertia and Newton's 3 rd Law	Newton's Third Law - Forces, acceleration and Newton's laws - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize	Pg 212	Pg 100
Stopping distances	Forces and braking - Forces, acceleration and Newton's laws - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize	Pg 214	Pg 102
Reaction times	Forces and braking - Forces, acceleration and Newton's laws - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize	Pg 215	Pg 101

<p><u>PU6 Waves</u> Spec ref: 6.6.2 Electromagnetic Waves</p> <p>Wave behaviour and electromagnetic waves</p> <p>Radiowaves</p> <p>EM waves and their uses</p> <p>More uses of EM waves</p> <p>Required practical 21: Investigating how the amount of IR radiation absorbed or radiated by a surface depends on the nature of the surface.</p> <p>Dangers of EM waves</p>	<p>Cognito – GCSE Physics - Electromagnetic Waves #64 - Bing video</p> <p>Longitudinal waves - Transverse and longitudinal waves - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize – all pages in this section cover this part of the spec</p> <p>GCSE Science Revision Physics "Electromagnetic Waves" - Bing video</p> <p>Required practical: Free science lesson GCSE Science Revision Physics "Required Practical 10: Infrared" - Bing video</p> <p>Hazards of electromagnetic radiation - The electromagnetic (EM) spectrum - GCSE Physics (Single Science) Revision - BBC Bitesize</p>	<p>Pg 220</p> <p>Pg 222</p> <p>Pg 223</p> <p>Pg 224</p> <p>Pg 225</p> <p>Pg 226</p>	<p>Pg 100-105</p>
<p><u>PU7 Magnetism and electromagnetism</u> 6.7.1 Permanent and induced magnetism, magnetic forces and fields</p> <p>6.7.2: The motor effect Electromagnetism</p> <p>The motor effect</p>	<p>Poles of a magnet - Magnetic fields - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p> <p>What is an electromagnet? - Electromagnets and transformers - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize</p>	<p>Pg 227</p> <p>Pg 228</p> <p>Pg 229/230</p>	<p>Pg 106</p> <p>Pg 106/107</p>

	The motor effect - Higher - Electromagnets and transformers - AQA - GCSE Combined Science Revision - AQA Trilogy - BBC Bitesize		-
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Non-Examined content

Content not examined in paper 1	Revision guide pages to ignore
• 6.2.3 Domestic uses and safety	186
• 6.3.3 Particle model and pressure	191
• 6.4.1 Atoms and isotopes	195-196

Content not examined in paper 2	Revision guide pages to ignore
• 6.5.3 Forces and elasticity	206