

<u>GCSE Physics Triple</u>	<u>Autumn HT1 Chapter 1</u>	<u>Autumn HT2 Chapter 2</u>	<u>Spring HT1 Chapter 3</u>	<u>Spring HT2 Chapter 4</u>	<u>Summer HT1 Chapter 5</u>	<u>Summer HT2 Chapter 5</u>
<u>Year 10</u>	<ul style="list-style-type: none"> • Potential energy • Kinetic energy • Work done and energy transfer • Understanding power • Specific heat capacity • Specific heat capacity required practical • Dissipation of energy • Energy efficiency • Energy transfers required practical • Energy transfers required practical • Using energy resources 	<ul style="list-style-type: none"> • Static electricity • Electric fields • Electric current • Series and parallel circuits • Investigating circuits • Circuit components • Circuits required practical • Resistance required practical • Control circuits • Electricity in the home • Transmitting electricity • Power and energy transfers 	<ul style="list-style-type: none"> • Calculating power • Potential difference and current • Using formulae and graphs • Density • Densities required practical • Changes of state • Internal energy • Specific heat capacity • Latent heat • Particle motion in gases • Increasing the pressure of a gas • Particle model 	<ul style="list-style-type: none"> • Atomic structure • Radioactive decay • Background radiation • Nuclear equations • Radioactive half-life • Hazards and uses of radiation • Irradiation • Uses of radiation in medicine • Using nuclear radiation • Nuclear fission • Nuclear fusion • Developing ideas for structure of the atom 	<ul style="list-style-type: none"> • Forces • Speed • Acceleration • Velocity-time graphs • Calculations of motion • Heavy or massive • Forces and motion • Resultant forces • Forces and acceleration • Acceleration required practical • Newton's third law • Momentum 	

	<ul style="list-style-type: none"> • Global energy supplies • Energy transfer key concept • Handling data 		<ul style="list-style-type: none"> • Drawing and interpreting graphs 	<ul style="list-style-type: none"> • Ratios and proportional reasoning • 		
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