Subject: GCSE Physics Triple

Year: 10

Autumn HT1 Chapter 1	**Autumn HT2 Chapter 2**	**Spring HT1 Chapter 3**	**Spring HT2 Chapter 4**	**Summer HT1 Chapter 5**	**Summer HT2 Chapter 5**
• 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	• 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	• 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	• 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	• 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	

required practical • Using energy resources • Global energy supplies • Energy transfer key concept • Handling data	• Transmitting electricity • Power and energy transfers	• Increasing the pressure of a gas • Particle model • Drawing and interpreting graphs	• Developing ideas for structure of the atom • Ratios and proportional reasoning •		