

KS4 - Physics Triple - Intent Statement

- Energy (6.1)
 - Energy changes in a system, and the ways energy is stored before and after such changes (6.1.1) [Chapter 1]
 - Conservation and dissipation of energy (6.1.2) [Chapters 1 & 2]
 - National and global energy resources (6.1.3) [Chapter 3]
- Electricity (6.2)
 - Current, potential difference and resistance (6.2.1) [Chapters 4 & 5]
 - Series and parallel circuits (6.2.2) [Chapter 4]
 - Domestic uses and safety (6.2.3) [Chapter 5]
 - Energy transfers (6.2.4) [Chapters 1, 2, 3 & 5]
- Particle Model of Matter (6.3)
 - Changes of state and the particle model (6.3.1) [Chapter 6]
 - Internal energy and energy transfers (6.3.2) [Chapter 6]
 - Particle model and pressure (6.3.3) [Chapter 6]
- Atomic Structure (6.4)
 - Atoms and isotopes (6.4.1) [Chapter 7]
 - Atoms and nuclear radiation (6.4.2) [Chapter 7]
- Forces (6.5)
 - Forces and their interactions (6.5.1) [Chapters 8 & 10]
 - Work done and energy transfer (6.5.2) [Chapters 1, 8 & 10]
 - Forces and elasticity (6.5.3) [Chapters 8 & 10]
 - Forces and motion (6.5.4) [Chapters 9 & 10]
 - Momentum (6.5.5) [Chapters 10]
- Waves (6.6)
 - Waves in air, fluids and solids (6.6.1) [Chapter 11]
 - Electromagnetic waves (6.6.2) [Chapter 12]
- Magnetism & Electromagnetism (6.7)
 - Permanent and induced magnetism, magnetic forces and fields (6.7.1) [Chapter 13]
 - The motor effect (6.7.2) [Chapter 13]