

Year 9

Energy Transfer
Energy Stores, Transfers & Systems

Design & Technology

Pressure
Pressure In Gases
Pressure Formula

Atomic Radiation
Alpha, Beta & Gamma
Half-life
Forming Ions
History Of The Atom

Motion
Speed
Motion Graphs
Acceleration
Momentum

Waves
Transverse & Longitudinal
Wave Speed
Period
Electromagnetic Spectrum



Knowledge	Attributes / Character	Skills	Experiences
<p>Waves Motion Atomic Radiation Pressure</p>	<p>Confidence When working with motion graphs students will apply their knowledge of gradients from maths into a new context, showing them how knowledge can be applied across subjects.</p> <p>Organisation Homework is set on a regular basis and helps reinforce the knowledge students have learnt, students need to ensure it is complete.</p> <p>Resilience As students reach year 9, they are relying on the foundation they built in previous years. This requires them to remember knowledge through retrieval practice. At times this can be hard, however thinking hard helps strengthen their knowledge.</p> <p>Empathy Students will examine how dangerous radiation can be and the impact it had on places such as Chernobyl and Hiroshima</p>	<p>Evaluate and produce written methods Rearranging more complex algebraic formulas Analyse graphs and calculate gradients</p>	<p>Science club Cadbury World visit British Science Week Design and technology links Science Trust Quiz</p>