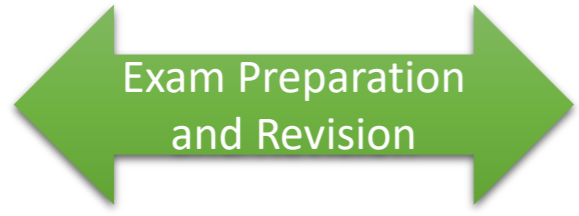


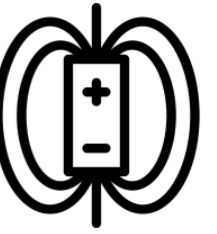
GCSE Physics Learning Journey



Electromagnetic Induction

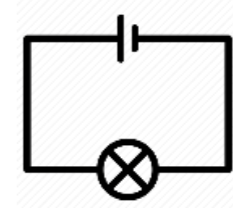
Transformers and energy The National Grid Electromagnetic Induction Magnetic forces Electromagnetism Magnets and magnetic fields

Magnetism and the Motor Effect



Static Electricity

Power Transferring energy to electricity Electrical safety Charges and static electricity Dangers and uses of static electricity Electric fields



Electricity and Circuits

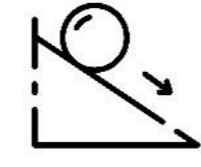
Transferring energy *HSW: Investigating resistance* Resistance Current, charge and energy Current and potential difference Electrical Circuits



Astronomy

Radioactivity in medicine Nuclear fission and fusion

The Solar System Gravity and orbits Life cycle of a star Red-shift and origin of the Universe



Forces and their Effects

Work and power Objects affecting each other

Uses and dangers of radioactivity

Rotational forces

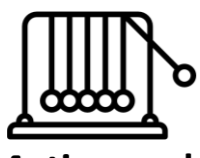


Radioactivity

Types of radiation and background radiation Developing atomic models *HSW: Investigating radiation and temperature* Radiation and temperature Uses and dangers of EM waves Properties of the electromagnetic spectrum Lenses Colour

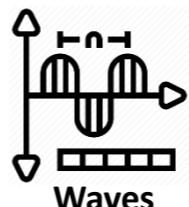
HSW: Investigating refraction

Radioactive decay and half-life



Motion and Forces

Resultant forces Newton's Laws *HSW: Investigating acceleration* Momentum Stopping distances and crash hazards



Waves

Wave speeds Refraction Ears and hearing Ultrasound and infrasound



Light and the EM Spectrum

