

Gordon's School Physics Department



Key Stage 3 - Curriculum Map

Key Words / Skills:

Conducting Experiments

Identifying Variables

Method writing

Graph Drawing

Describing patterns

Applying Knowledge

Explaining Phenomena



Exams Revision **GCSE: Thermal Physics**

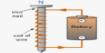
Analysing how energy is stored and transferred during heating and changes of state.

Exams

GCSE: Energy Resources

Advantages and disadvantages of different methods of providing energy.

Electromagnetism



Year 9

Work / Power

Using ideas of energy to

calculate work done and power.

Motion

Using distance- time and velocity-time graphs to describe motion.

EM Spectrum

Uses and hazards of different parts of the electromagnetic spectrum.

Light

Investigating reflection, refraction and colour.

Electromagnetism Revision **Exams**

> Investigating the relationship between magnetism and electric current.

> > **Heat and SHC**

Transfer and storage of

thermal energy

Sound

Using properties of waves

to explain sound

Year 8

Space Discovery

Revision

Exams

Models of the universe



 $PRESSURE = \frac{FORCE}{AREA}$ FORCE

Electricity

Properties of circuits

Year 7

Energy/Particles

The relationship between particle energy, temperature and heating. **Forces**

how they interact.

Space



Different forces and

Causes and effects of pressure in solids, liquids and gases.

Pressure

Objects in space, the solar system, the Earth and Moon