Physics Learning Journey

AQA 7408
(All 2 hrs)
PAPER 1 (34%)– Section 1-5& 6.1
PAPER 2 (34%)– Sections 6.2,7, 8
PAPER 3 (32%)– Practical skills, data analysis & option topic

Practical work in Physics

Further Mechanics and Thermal Physics
- Motion in a circle
- Simple Harmonic Motion
- Thermal Physics
- Gases

YEAR 13 A-LEVEL

Fields
- Gravitational Fields
- Electric Fields
- Capacitors
- Magnetic Fields
- Electromagnetic Induction

Options:
- Astrophysics
- Engineering
- Turning Points
- Medical Physics

Particles and Radiation
- Matter and Radiation
- Quarks and Leptons
- Quantum Phenomena

Mechanics
- Forces in equilibrium
- On the move
- Newton's laws of motion
- Force and momentum
- Work, energy and power

YEAR 12 A-LEVEL

Waves and Optics
- Waves
- Optics

Materials

Electricity
- Electric Current
- DC Circuits

Wave Energy

Kinetic and Potential Energy

Atomic Model

AQA GCSE EXAM

YEAR 11

Radioactive decay

$Power = \frac{Work\ Done}{Time}$ Work

Electromagnetic Spectrum

Newton's 2nd Law

Momentum

$p = mv$ Motor Effect

Ohm's Law

Power

YEAR 10

Wave Properties

Stopping distance

Non-contact forces

Energy resources

Wave model

Pressure

Acceleration

Vectors

Longitudinal and Transverse

Specific and Latent Heat

Heat Transfer

Newton's 1st Law

Reflection

YEAR 9

Speed

Magnetic Force

Electric Charge

Resistance

Moments

Current and Magnetism

Potential Difference

Refraction

YEAR 8

Electric Current

Solar System

Weight

Friction

Heat and temperature

Wasted Energy

Energy

Gravitational Force

Density

Balanced and Unbalanced Forces

YEAR 7