Target Grade

A-LEVEL PHYSICS LEARNING JOURNEY

Exam

ELECTRICITY

Resistivity
Electrical Energy
Analysing Circuits
Potential Divider
Kirchhoff's First Law
IV Characteristics
Combining Resistors
Pd and EMF
Resistance
Electrical Current
Momentum
Using excel and spreadsheets to analyse data
Hooke's Law and Young's Modulus
Density and Pressure
Deforming Materials
Archimedes' Principle
Newton's Laws of Motion
Kinematics and the motion of bodies
Conservation of Energy
Power
Stationary waves
Young's Double Slit Experimentt experiment
Total Internal Reflection
Superposition of waves
Diffraction and polarisation
Reflection and refraction
Waves
Wave-Particle Duality
The Photon Model
The Photoelectric Effect
Quantum Physics
Quarks
The nucleus
Anti-particles, hadrons and leptons
Alpha Particle Scattering
Particle Physics
Scalars & Vectors
Induction tasks
Measurements & their Errors
Magnetic Fields
EM Induction

WAVES

FORCES & MATERIALS

PARTICLES & RADIATION

Year 12