

GCSE Physics



Bolton
University Collegiate School



Professional

Responsible

Loyal

Intervention

Intervention and additional 1-1 support throughout course



Required Practical

Throughout the course several practicals will be studied that can then be examined in detail in the final exams



Transformers

P8
Space physics

Our solar system

Life cycle of stars

Orbital motion

Red shift

End of Y11

Summer: Enrolment on to T level, A-level or apprenticeship.

GCSE Exams

Paper 1 – Year 10 content and Paper 2 – Year 11 content

Generator

Induction

Electric motor

Motor effect

Magnetic Fields

P7
Magnetism and Electromagnetism

Refraction and lenses

EM waves

Reflection and sound

Properties of waves

Types of waves

Mock exams February

Moments

Pressure

Motion

Speed and Acceleration

Newtons laws

Momentum

Stopping distance

P6
Waves

Elasticity

Work Done

Resultant forces

Gravity and weight

P5
Forces

Year 11

Fission and fusion

Half Life

Nuclear Equations and Decay

Atomic Structure

End of year 10 exams

Get Ahead by exploring your future by attending 6th form/college open days and your apprenticeship options.

P4
Atomic structure

Static electricity

P3
Particle model

Density

Change of State

Internal energy

Specific Heat Capacity

Specific Latent Heat

Pressure

Domestic Energy

Circuits

Q, V, I and R

P2
Electricity

Efficiency

Power

Changes in energy

Energy stores

P1
Energy

Year 10

Mid and end of topic assessments for all topics

