

# KS4 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



**End of Y11**

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

Magnetic Fields

Motor effect

Electric motor

Transformers

**P7**  
Magnetism and Electromagnetism

**GCSE Exams**

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

EM waves

Properties of waves

Types of waves

**P6**  
Waves

Stopping distance

Momentum

Newtons laws

Mock exams February

Speed and Acceleration

**Year 11**

**P5**  
Forces

Gravity and weight

Resultant forces

Work Done

Elasticity

Motion

Mock exams November

Half Life

Nuclear Equations and Decay

Atomic Structure

**P4**  
Atomic structure

Pressure

Specific Latent Heat

Specific Heat Capacity

Internal energy

End of year 10 exams

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

Change of State

Components

Q, V, I and R

Circuits

Domestic Energy

**P3**  
Particle model

Density

**P2**  
Electricity

Mid and end of topic assessments for all topics

Energy resources

Efficiency

Power

Changes in energy

Energy stores

**P1**  
Energy

**Year 10**

