

# A Level Physics



## Course Overview

Physics is the study of the properties and interactions of matter and energy. Our understanding of many features of the everyday world relies on knowledge drawn from the ideas and methods of Physics.

On this course you will study how things work, from subatomic particles to galaxies going through light, electrical and magnetic fields, electric circuits, thermodynamics, and properties of materials. You will study these phenomena in class through theory, experiments and computer simulations.

## What You Will Study

You will study a range of topics including:

- Forces, Motion and Energy
- Gravitational Fields
- Electrical Circuits
- Electric and Magnetic Fields and Their Interactions and Applications
- Wave Behaviour and Quantum Physics
- Circular Motion and Orbits
- Quantum Phenomena
- Thermodynamics
- Material Physics
- Nuclear and Particle Physics

## How You Will Be Assessed

Throughout the course your level of attainment will be gauged by regular tests and homework assignments.

All A-Level exams will take place at the end of the second year of the course. There are three written exams each lasting 2 hours. Overall, at least 40% of the marks in assessments for Physics will require the use of mathematical skills.

## Entry Requirements

5 GCSEs at Grade 9-4, including English Language and Grade 6 in Maths.

PLUS

Dual Science at Grade 6/6.

OR

**START DATE**

September

**LEVEL**

Level 3

**STUDY MODE**

Full-time

**DURATION**

2 years

**AWARDING BODY**

Assessment & Qualifications Alliance (AQA)

**LOCATION**

Selby College



**For further information about this course, including Entry Requirements, Assessments and Further Study, scan the QR code.**

## Need More Information?

For additional course information please contact the Course Information Team on **01924 789111** or email **courseinfo@heartofyorkshire.ac.uk**.

To learn more about Selby College, our facilities and how we can support you please visit our website **www.heartofyorkshire.ac.uk**.

## Quick Links



**How to Apply**



**Student Support**



**Virtual Tours**

## Further Study

A Level Physics is an excellent qualification for anyone seeking entry to a university and is an essential requirement for physics and engineering courses.

Physics is regarded as a 'facilitating subject' which will increase your chances of progression to a Russell Group University.