

Physics - A Level (Edexcel)

Modern physicists have been responsible for some of the greatest achievements of our era. Without our understanding of atomic theory, we would not have computers, the internet or smartphones - the digital age, as we know it, would not exist. Without quantum mechanics, we would not have lasers or satellite navigation. Who knows where future scientific discoveries and inventions will take us?

If you're up for shaping tomorrow's world, studying A Level Physics could take you to the frontline of the latest emerging technology. Whether you are working in a field directly related to physics, such as nuclear physics or astronomy, or one that simply uses the skills you've gained, your knowledge and experience can make a difference to the world as a whole.

WHAT WILL I STUDY?

Topics covered can include:

- Mechanics
- Electric circuits
- Materials
- Waves and particle nature of light
- Further mechanics
- Electric and magnetic fields
- Nuclear and particle physics
- Thermodynamics
- Space
- Nuclear radiation
- Gravitational fields
- Oscillations
- Experimental methods

WHAT WILL I NEED?

You will need to meet the minimum entry criteria, plus:

- Maths grade 6
- Double Science grades 6 and 6

[Please click here to see the minimum entry requirements.](#)

Start Date: 2 September 2026

Duration: 2 Years

Attendance: Full Time

Center: King's Cross Campus

<https://www.capitalccg.ac.uk/course/pdf/11617/>



One other A-level science or maths subject must be studied alongside A-level Physics

HOW WILL I BE ASSESSED?

During the first year, you will have an initial assessment followed by four progress assessments throughout the year 12. You must pass the assessment at the end of the first year to progress on to the second year.

At the end of the second year, you will sit three public examinations. You will also be assessed throughout the year on the practical work you complete to achieve your practical endorsement.

WHAT WILL IT COST?

AGED 16 - 18

If you will be aged 16, 17 or 18 on 31st August 2025 before the start date of the course, and you have the legal right to remain in the UK for the duration of your course then your study with us will be free.

Please see [here](#) for the documents you need to show us.

Some courses have additional costs, such as specialist materials and trips.

Many of our students are eligible for financial support. See [here](#) for details.

WHAT CAN I DO AFTER?

A-levels are widely regarded as the standard entry qualification for top universities in the UK and around the world. Many of our students go on to study for a degree at the university of their choice, with some choosing to progress into apprenticeships or other employment.

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