

# 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 a minimum of:

- GCSE English Language at grade 5
- GCSE Maths at grade 6
- GCSE Science at grade 66 or above

**Start Date:** 2 September 2024

**Duration:** 2 Years

**Attendance:** Full Time

**Location:** King's Cross Centre

- A reference from your previous school/college

All applicants must have an interview to confirm that A Levels are suitable for them.

When applying for an A Level programme at Westminster Kingsway, please refer to the general entry requirements on our [A Level Courses](#) page as well as the subject-specific details listed above.

## HOW WILL I BE ASSESSED?

During the 1st year, there will be 5 formal internal assessments that you will need to pass in order to progress into the 2nd year. At the end of the 2nd year, there are three public examinations.

## WHAT WILL IT COST?

### SCHOOL LEAVERS

If you will be aged 16, 17 or 18 on 31st August prior to the start date of your course and you have the legal right to remain in the UK for the duration of your programme then your study with us will be free. Please see [here](#) for the documents you will need to show us.

Some courses will have other associated costs, such as for 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 the rest of 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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<https://www.westking.ac.uk/course-detail/pdf/11617/>