

# Physics

## A-Level



### What will I learn?

You can pursue or A Level Physics with OCR A, covering six modules, including a Practical Endorsement. The course progresses from subatomic particles to classical physics laws, astrophysics, and cosmology. Both theoretical and practical concepts are explored, providing a robust foundation for physics-related degrees, apprenticeships, and transferable skills applicable to various disciplines.

### How will I learn?

The learning process involves building knowledge of key physics concepts, combining theoretical understanding with practical applications. Comfort with GCSE mathematics, accurate writing, and an interest in practical work are crucial. A strong recommendation is to take A Level Maths alongside Physics. Assessment includes written papers, with the full A Level comprising two 2hr 15min papers on the content and a 90-minute synoptic paper.

### How will I be assessed?

A Level assessment includes two 2hr 15min papers on the content and a 90-minute synoptic paper. Practical skills are integrated throughout the course and contribute to the overall assessment.

### FAQs.

#### What do I need to know or be able to do before taking this course?

Before enrolling in A Level Physics, you should have studied either GCSE Combined Science with a grade of 66 or GCSE Physics with a grade of 6. A grade 6 in Maths is recommended and we also recommend that you combine Physics A Level with Maths A Level.

#### What kind of student is this course suitable for?

This course is suitable for strong science enthusiasts with a passion for understanding how things work in the realm of physics. Comfort with GCSE mathematics, accurate writing, and an interest in practical work are essential. Success in physics involves not just learning key concepts but also applying knowledge to problem-solving.

#### What could I go on to do at the end of my course?

Completion of A Level Physics opens up various career options, including engineering, astrophysics, cosmology, electronics, power generation, and aeronautics. The skills acquired are also valuable in fields such as finance, IT services, computing, education, and healthcare.

### Exam Board

OCR

### Subject Specific Entry Requirements

Either GCSE Combined Science with a grade of 66 or GCSE Physics with a grade of 6

### Skills Gained

Problem solving  
Critical thinking  
Evaluation  
Data analysis  
Creating Research  
Team work  
Presentation skills  
Revision skills

### Careers

Teaching  
Police officer  
Human resources  
Social Worker  
Youth worker  
Politics  
Journalism  
Marketing executive  
Charities