



## Physics

### OCR

*Subject Leader:*

*Mrs L Eades*

## Introduction to the course

The Physics A-Level course has been designed to encourage students to:

- Develop their interest in and enthusiasm for the subject, especially promoting opportunities for further study and an understanding of potential careers in the subject.
- Develop creative problem-solving, logical and technical communication skills alongside experimental proficiency in a highly-demanding academic subject
- Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

## Course structure and content

The A-level Physics course includes 6 units and is assessed by means of:

Module 1	Development of practical skills
Module 2	Foundation of physics
Module 3	Forces and motion
Module 4	Electrons, waves and photons
Module 5	Newtonian world and astrophysics
Module 6	Particles and medical physics



Assessment: **Paper 1** assesses content from Modules 1, 2, 3 and 5 (100 marks, 2h 15m, 37%)  
**Paper 2** assesses content from Modules 1, 2, 4 and 6\* (100 marks, 2h 15m, 37%)  
**Paper 3** assesses content from Modules 1 to 6 (70 marks, 1h 30m, 26%)

\*plus any material appropriately flagged within the specification from Modules 3 and 5



## Entrance requirements

Automatic entry: Grade 6 in Mathematics and Grade 6-6 in Combined Science or Grade 6 in Physics GCSE and Grade 5 in English GCSE.

*Students not achieving these entrance requirements may on occasion be admitted by interview, based on academic performance, approach to learning and course suitability.*

## Equipment required

Students will be asked to provide their own scientific calculator to meet the demands of the course.

## Progression routes

Physics leads on to a wide range of courses and careers. You could use Physics to support other qualifications or move on to further studies or employment, including:

- A BTEC Higher National (HNC and HND) or a degree course such as Physics, the Sciences, Medicine, Metrology, Engineering, (including Chemical Engineering) and related programmes.
- Employment in the areas of, for example, physiotherapy, radiography or biotechnology.

## Further information

Your course teachers are Mr Nelson and Mr Ryde who can be contacted on the number below or by emailing the school: [office@waseleyhills.worcs.sch.uk](mailto:office@waseleyhills.worcs.sch.uk)

Further course details are available at [www.ocr.org.uk](http://www.ocr.org.uk).

## How to apply

You can download an application form by visiting the Sixth Form area of the school website at:

[www.waseleyhills.worcs.sch.uk](http://www.waseleyhills.worcs.sch.uk)

Otherwise, contact us direct on the number below.

*November 2020*

Headteacher: Mr. A. Roll

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[www.waseleyhills.worcs.sch.uk](http://www.waseleyhills.worcs.sch.uk)