

Physics

A-Level

What is the course about?

This course takes two approaches to the teaching of Physics. It covers the basic principles, the content, and then applies it to real uses of Physics. For example, the electricity content may be applied to satellite technology and material science is applied to the sweet industry. This course employs the use of practical investigations and the analysis of data.

How the the course is assessed?

This course is linear and will be assessed through three exam papers at the end of the second year. Paper one covers the theory and application from the first half of year 12 and year 13. Paper two covers the theory and application from the second half of year 12 and year 13. Paper three is a synoptic paper, covering theory and application from all areas, often linking them. It will also assess the practical skills and techniques developed throughout the course.

This course also provides a Practical Competency award which is pass / fail. Pupils will have to demonstrate a series of skills across at least 12 pre-determined practical assignments throughout the course. Although the outcome of these assignments only affects the the Practical Competency award, the methodology and practical theory themselves will be addressed in paper three.

What kind of students is this course suitable for?

Students should have excellent mathematical and analytical skills. Students should be able to demonstrate an strong interest in the subject, as a wide variety of topics are covered in-depth. Students will need motivation, commitment and a willingness to develop and learn both independently and as part of a group.


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

A Physics background opens up more opportunities than you might think. Physicists have well paid and respected jobs, not just in laboratory work but including:

- Sports science
- Computer game technology
- Music Technology
- Medicine
- Engineering
- Accountancy
- Teaching
- Astronomy
- Media



What if I need further advice or information?

 Speak to a member of the department

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 qualifications.pearson.com/en/qualifications/edexcel-a-levels/physics-2015.html

