

A-LEVEL



TO LEARN TO ACHIEVE

PHYSICS



Contact

Please do not hesitate to contact us if you would like to find out more information on Physics at Bosworth Academy using the contact information below:

Chris Coldicott

Bosworth Academy
Leicester Lane
Desford
Leicester
LE9 9JL

Tel: **01455 822841 (Extension: 326)**
office@bosworthacademy.org.uk



Whole
Education
Pathfinder School





A-LEVEL PHYSICS

EXAM BOARD: AQA

WHAT DO I NEED TO KNOW OR BE ABLE TO DO BEFORE TAKING THIS COURSE?

Students studying GCSE Combined Science need to have achieved a minimum Grade 6-6. Students studying GCSE separate Sciences need at least two Grade 6s and a level 5 (with one of the 6s being in Physics). Students also need to have achieved a Grade 6 in Maths.

WHAT WILL I LEARN ON THIS COURSE?

AS/A-Level Physics aims for students to:

- Develop essential knowledge and understanding in Physics
 - Develop practical skills and practice data-handling skills
 - Use their imagination and be rewarded for initiative and interest
 - Place Physics in a social or historical context and discuss the issues that arise
 - Increase their understanding of the part Maths plays in Physics
 - Study how scientific models develop
 - See how applications of Physics can be applied in modern medicine
 - Study the following topics: Particle Physics, electronics, the wave and particle nature of light, projectile motion, quantum effects, Nuclear Physics and the option to do Medical Physics, Astrophysics, Turning Points in Physics, Engineering Physics or Electronics.
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WHAT KIND OF STUDENT IS THIS COURSE SUITABLE FOR?

- Students who have an interest in and enjoy Physics
 - Students who want to find out about how things work in the physical world
 - Students who enjoy applying their mind to solving problems
 - Students who enjoy carrying out investigations by the application of imaginative and logical thinking.
 - Students who want to use Physics to support other qualifications or progress onto further studies or employment
 - Students who want to broaden their educational experience before making a decision about which A-Levels to take
 - Students who are taking AS levels in other sciences and/or Maths or other relevant courses such as Design/Technology and want to take another course that will support their studies
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WHAT COULD I GO ON TO DO AT THE END OF MY COURSE?

Physics leads on to a wide range of course and careers. You could go on to use Physics to support other qualifications or progress onto further studies or employment. This could be courses ranging from Physics, the Sciences, and Medicine to all types of Engineering. In fact, physics is recognised as an entry level qualification for a wide range of Higher Education courses as well as employment.