



# PHYSICS

Exam Board: OCR

Specification: [Click here for more information](#)

## COURSE SUMMARY

There are six modules to be covered over the two years and these will cover all aspects of Physics. Practical experiments play a large part in the course and these will be backed up with your theory lessons. The skills that you will develop will give you a deeper understanding of the underlying Physics being taught and will enable you to gain the accreditation for the practical endorsement. Lessons are varied in content and style and sometimes we even ask you to be the teacher and present! For those wishing to have a greater understanding of how the world works, then Physics is for you.

## WHY STUDY PHYSICS?

"Physics changes how you view the world and explains why things work the way they do. It gives you the tools to solve complicated problems. Physics leads the way to so many opportunities and careers." *Megan*

## WHAT HAPPENS IN LESSONS?

"Lessons are varied in content and range from answering questions, theory and practical work." *Josh*

*"When I leave school I hope to study engineering at Cambridge University. I have studied Chemistry, Maths, Further Maths and Physics."* Rob

computing, scientific journalism, cybernetics, astronomy, medical physics, education, transport, communications, as well as careers in medicine, law, and veterinary science and teaching.

## ADVICE ON ENTRY

Students choosing science in the Sixth Form are advised that the assessment style associated with A Level qualifications means that if you achieve less than a Grade 6 in GCSE Science or GCSE Physics you are generally unlikely to secure a pass in the A Level Physics exam. Students who are keen to study science at an advanced level and achieve a Grade 4 or 5 in GCSE, are advised to follow the BTEC in Applied Science course. The success rate on the course for students with this entry profile is very high.

## READING AROUND THE SUBJECT

- Institute of Physics
- Phet - online animations of practicals, notes on topics covered in the course.
- SchoolPhysics.co.uk - notes and questions
- IsaacPhysics - further tricky problems to solve

## COURSE ASSESSMENT

This is a linear course. This means that students opting for an A Level in this subject will be committing to a two-year linear course, with all units examined at the end of Year 13.

## MIGHT LEAD TO...

Physics is a universally respected A Level choice and can lead to a multitude of courses and careers. There are hundreds of careers for which Physics is useful, including most types of engineering, architecture,

