

## Physics

A level Physics	Course Content	Assessment
<b>Year 1</b>	Module 1 – Development of Practical Skills in Physics  Module 2 – Foundations of Physics  Module 3 – Forces and Motion  Module 4 – Electrons, Waves and Photons	
<b>Year 2</b>	Module 5 – Newtonian World and Astrophysics  Module 6 – Particles and Medical Physics	Exam 1 – Modelling Physics 2hr 15mins Written Paper assessing modules 1, 2, 3 & 5  Exam 2 – Exploring Physics 2hr 15mins Written Paper assessing modules 1, 2, 4 & 6  Paper 3 – Unified Physics 1hr 30mins Written Paper assessing modules 1, 2, 3, 4, 5 & 6  Practical Endorsement in Physics

### Where are they now?

Robert Mercer

Studied: Physics, Biology and Mathematics

Robert got fully involved in the extra-curricular activities on offer in Physics at the College. He had a real passion for Physics when he arrived at the College and this grew until he made the decision to apply for Physics courses at university. He is currently studying Physics at Durham University.

### Where are they now?

Danielle Hodgkinson

Studied: Physics, Chemistry, Mathematics and Further Mathematics

Danielle has gone from the College to study Physics at the University of Manchester. She keeps in regular contact with members of the Physics department and is enjoying every second of the course and university life. Whilst at the College she used opportunities to visit universities organised via the STEM initiative and also went on a Physics trip to CERN.

## **Learning outside the classroom**

STEM club

One-to-one or group support sessions

Competitions – Physics Challenge and Physics Olympiad

Nuffield Science Bursary

On line resources for independent study

Trips and Visits

Guest Speakers

Study Support

When you enrol we'll make sure that you're receiving all the support you need, for example you may be entitled to extra time in your exams, you may benefit from working with a dyslexia tutor or you may simply need help with organising your time and many pieces of paper!

Academic Challenge

If you are keen to continue with Physics or Physics related subjects such as engineering when you are choosing your future study at university you will receive help with choosing which university and which course is right for you. We'll support your development of interview skills, guide you to further reading or viewing, challenge you with additional discussion and inspire you with activities and trips. Ex Winstanley students already studying this subject at university will visit and tell you the real story and visiting speakers will give you a glimpse as to what further study in Physics involves.

## **From school pupil to Winstanley student**

Most students have already achieved at least a B grade in Core and Additional Science or Separate Sciences at GCSE as well as a B in Maths.

Above all you should have a passion and a drive to study Physics.

We recommend that you attend one of our Taster Days where you can meet current students who will tell you what the transition from GCSE to A-Level is like as well as experiencing an A-Level Physics lesson.

The Institute of Physics website contains a wide range of reading material in relation to the future study of Physics, they also offer a student membership for no cost.