

A LEVEL PHYSICS



Achieving Excellence Together

OCR A Level Physics. Science Practical Endorsement

Entry Requirements: Grade 6 in Physics and Maths at GCSE Level or Grade 7 in Core and Additional Science.

Course Description

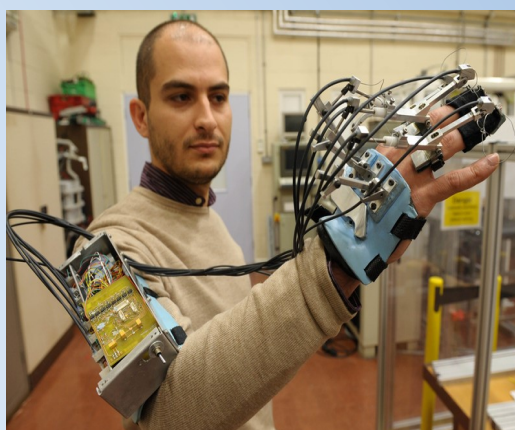
The course is split up into 6 main units of study. These include Newtonian physics, astrophysics, forces, waves and particles. For example, in astrophysics students will have the opportunity to learn about the formation of stars from interstellar dust and the characteristics of neutron stars. They can also study applications of physics such as the use of principles on medicine to conduct medical imaging. Each module contains approximately 6 sub-topics that students study throughout the two years and are assessed in. Students are taught the concepts through varied activities and are encouraged to become independent learners and critical thinkers. They will build on their knowledge of Physics from GCSE and their scientific skills such as analysis and evaluation.

Method(s) of Assessment

Three exams at the end of Year 13, 2 hours long, weighted equally. Specific concepts to be examined on different papers.

CPAC Assessment

Students work towards their certificate of practical competency by carrying out a minimum of 12 practical activities as advised by the examination. This is assessed by their teacher and will demonstrate their ability to carry out scientific practical skills.



Progression

Supports any mathematical focused course. Engineering, architecture and design courses.

email: J.Dobbs@barnwell.herts.sch.uk
or K.Day@barnwell.herts.sch.uk