

Subject Information

A Level Physics



The course begins with a study of the laws, theories and models of physics and finishes with an exploration of their practical applications. Taking you on a journey from Newton's Laws to the beginnings of space and dark matter; Physics will build on communication and calculation skills throughout the two years of investigative approaches. Students will see a step up from GCSE, however, the course has been planned to allow support and confidence in the content to develop. It is a content led course that allows for a challenging and engaging atmosphere in lessons. We run the Edexcel course as it flows nicely from the GCSE courses we study. Students will complete similar core practicals and will be familiar to the resources that are used.



Topics studied:

Working as a Physicist
Mechanics
Electric Circuits
Electric and magnetic fields
Nuclear and particle Physics
Materials and Waves
Thermodynamics
Space
Radiation
Gravitational fields
Oscillations

Course structure:

The topics studied in A-level physics are broad and wide ranging and will be taught across the two years. 3 examination papers and 12 core practicals.

Paper 1: Advanced Physics 1 - 1 hour 45 minutes 30%

Paper 2: Advanced Physics 2 - 1 hour 45 minutes 30%

Paper 3: General and Practical Principles in Physics - 2 hours 30 minutes 40%

Entry requirements:

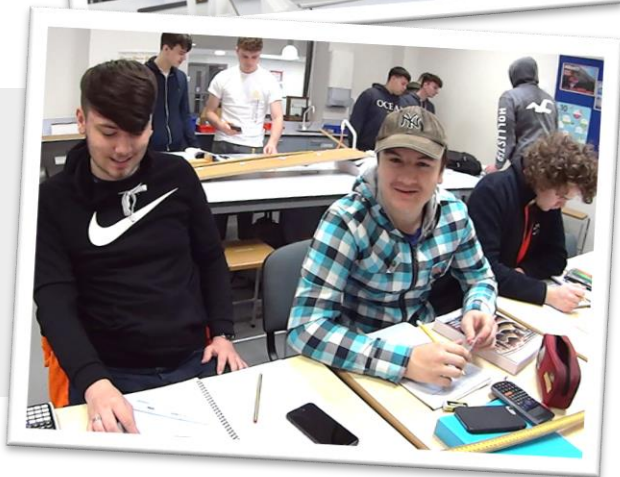
Minimum GCSE grade 6 in Physics (or 6-6 in Combined Science) and minimum grade 6 in Maths.

Location:

Cinderford Campus

This course prepares you for a career in:

- All fields of Engineering
- Music and Media industries
- Computing
- Cyber security
- Automotive industries
- Aerospace
- Power generation
- Circuit design
- Jobs that don't exist yet!



To enquire about this course, email sixthform@denemagna.co.uk