

# Physics

**A LEVEL**

*Exam Board: AQA*



**Beckfoot**  
Sixth Form

Physics is all about the physical world at every level, from the smallest particle to galaxies remote in space and time. If you enjoy exploring theories and testing them, you'll find A Level Physics fascinating, as well as gaining a valuable qualification as proof of your analytical skills and logic.

## *Subject specific criteria:*

- Grade 6 in GCSE Physics and either Biology or Chemistry, or Grade 6-6 in Combined Science
- Grade 7 in GCSE Mathematics
- Grade 5 in GCSE English

## *Skills required:*

- Analytical skills
- Problem solving
- Excellent numeracy skills

## *Units studied:*

- Measurements and their errors, Particles and Radiation, Waves, Mechanics and Energy and Electricity.
- Further Mechanics and Thermal Physics, Fields, Nuclear Physics and an option module (e.g. Astrophysics).

Assessment is in the form of three written exams at the end of Year 13, each lasting 2 hours. In addition, A-Level students will work towards a practical endorsement in Physics, which is internally assessed, and reported separately from the overall grade.

## *Futures:*

A Level Physics opens many doors to science-related careers such as Geophysicist/Field Seismologist, Health Care Scientist/Medical Physicist, Radiation Protection Practitioner, Research Scientist, Astronomy, Engineering. Physics is also looked upon favourably in non-science related professions such as Law, Retail and Media.

## *Subject enrichment:*

Various opportunities to enter national and international Physics competitions, along with lectures at Leeds University.