Physics

A-Level Edexcel

The Course

The Physics course is a mixture of practical and theoretical learning. The course covers everything from the smallest subatomic particles to the creation and ultimate fate of the Universe! However, the basis of all study of Physics is application of mathematics - a good Physicist must also be a good mathematician!

- Year 12: Mechanics; Electricity; Waves; Materials Physics; Quantum Physics
- Year 13: Further Mechanics; Fields; Nuclear & Particle Physics; Thermal Physics; Astrophysics Cosmology

Assessment

Three written examinations:

- Paper 1 (30%): Mechanics, Electricity, Fields, Particle Physics
- Paper 2 (30%): Waves, Materials Physics, Nuclear Physics; Thermal Physics; Astrophysics; Cosmology
- Paper 3 (40%): Synoptic assessment and Practical Physics

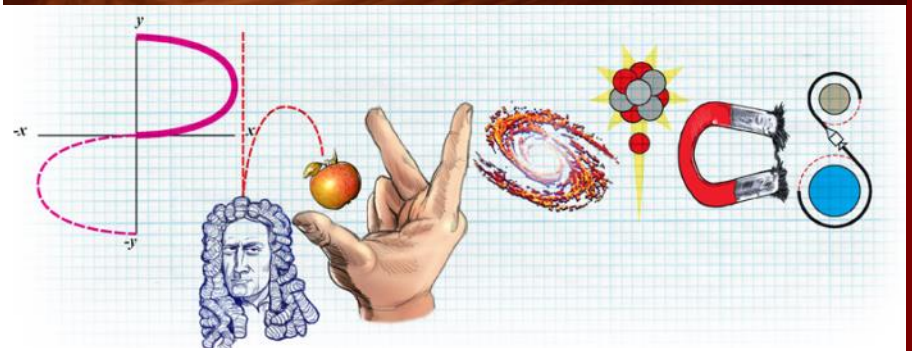
Entry Requirements

Pathway 1 or 2 entry requirements plus:

- Grade 6+ in GCSE Physics or Grade 6-6 + in GCSE Combined Science

Careers & Higher Education

Physicists are in great demand in a range of sectors, from scientific research and engineering to banking, finance, medicine and computing. The analytical and problem solving skills developed in Physics are very valuable.



"Physics is really nothing more than a search for ultimate simplicity, but so far all we have is a kind of elegant messiness."

Bill Bryson