A LEVEL PHYSICS (Year 12 from September 2025)

Awarding Body: AQA, A level Physics 7408

FORTITUDINE CRESCAMUS

Examinations:

Table below summarises the assessment in the course:

Component	Marks	Duration	Weighting
Paper 1 Sections 1-5 and 6.1	85	2 hours	34%
Paper 2 Sections 6.2, 7 and 8	85	2 hours	34%
Paper 3 Practical skills and Optional section	80	2 hours	32%
Practical endorsement in physics (04)	Non-Examined Assessment		

Non-Examined Assessment

Practical endorsement in physics (04): Students gain practical skills throughout the course. These are assessed in the written examinations and in the practical endorsement (component 04).

Course content

Studying A Level in Physics enables our students to build on their knowledge of the laws of physics, applying their understanding to solve problems on topics ranging from subatomic particles to the entire universe. They also can develop all the relevant practical skills. Content of the course comes in six modules and each one is divided into key topics:

Name of the module	Key topics studied
Section 1	Measurements and their errors
Section 2	Particles and radiation
Section 3	Waves
Section 4	Mechanics and materials
Section 5	Electricity
Section 6	Further mechanics and thermal physics
Section 7	Fields and their consequences
Section 8	Nuclear physics
Optional Section	Medical Physics

Entry requirements

Grade 7, 8 or 9 at Physics GCSE or Grade 7-7, 8-7, 8-8, 9-8 or 9-9 in Double Science AND Grade 7, 8 or 9 in Mathematics GCSE.

Future opportunities

For most science and engineering courses both A-level Physics and Maths are required. It is important to remember that although many jobs outside science do not require you to have studied a specific subject, studying a recommended A-level such as physics can give you an advantage. Physics is also a significant component of the BMAT (medical entry) papers and studying it beyond GCSE does give students applying for medical schools requiring this for entry an advantage.

Further information

A physics degree is a great starting point for a career in scientific research, as well as in a range of careers in the business, finance, IT and engineering sectors. Physics and the problem-solving skills it develops are useful in many different job families. The salaries of physics graduates are also well above the national average. Over a working lifetime, the average physics graduate earns 30% more than someone holding just A-levels.