

PHYSICS



EXAM BOARD: AQA COURSE DURATION: 2 YEARS

We follow the AQA specification for A-level Physics. The course will develop a much deeper understanding of some familiar topics from GCSE and introduce whole new areas of theory.

TOPICS AT A-LEVEL

- Measurements and their errors
- Particles and radiation
- Waves
- Mechanics and materials
- Electricity
- Further mechanics and thermal Physics
- Fields and their consequences
- Nuclear Physics
- Option topic

Theory lessons will concentrate on the students' understanding of physical concepts, with a particular focus on the development of analytical and problem solving skills. Practical work is undertaken to link theory to reality and develop scientific investigative skills. Progress is regularly monitored using exam style assessments.

ASSESSMENT

The A-level is 100% assessed by written exam at the end of Year 13

Paper 1 - Core topics (2hrs, 34%)

Paper 2 - Core topics (2hrs, 34%)

Paper 3 - Practical skills and data analysis & option topic (2hrs, 32%)

SUBJECT COMBINATIONS

Physics complements the study of Mathematics and Chemistry. Due to the mathematical content in the specification, it is strongly recommended that students undertake either A-level Mathematics or Mathematical Studies.

CAREERS / HE INFORMATION

Physics is a solid choice for students considering a career in medicine, veterinary science, dentistry, computing, chemistry, biology, mathematics and environmental science. Physics will also prepare students for industry careers, such as those within the engineering or electronics sectors.