



BOSTON HIGH SCHOOL SIXTH FORM

A mixed Sixth Form in a selective Grammar school for girls

PHYSICS

QUALIFICATION: A Level

EXAM BOARD: AQA

COURSE LEADER:
Mrs Shaw-West

COURSE CONTENT

"Studying A Level physics doesn't restrict your options, it expands them. As well as being needed for many careers in science and engineering the skills and knowledge that you can develop by studying physics keeps the door open to doing just about everything else." – Institute of Physics

Module 1 Measurements and errors in physics

Module 2 Particles and radiation

Module 3 Waves

Module 4 Mechanics and materials

Module 5 Electricity

Module 6 Further mechanics and thermal physics

Module 7 Fields and their consequences

Module 8 Nuclear physics

Optional Module on Astrophysics, Medical physics, Engineering physics, Turning Point in physics or electronics.

Practical endorsement in Physics (non-exam component)

Physics lessons are practical and theoretical with lots of relevant past paper practice and exam analysis feedback.

PREPARATION FOR STUDYING THIS SUBJECT

Read the AQA Physics specification:

<https://www.aqa.org.uk/subjects/science/as-and-a-level/physics-7407-7408>

ASSESSMENT

Paper 1: 34% (assesses modules 1 - 5 and 6.1)

Paper 2: 34% (assesses modules 6.2 and 7 - 8)

Paper 3: 32% (assesses practical skills and data analysis + optional module)

FUTURE OPPORTUNITIES

- Studying: Medicine, engineering, particle physics, accountancy, computer science, aeronautical engineering.
- Working as: scientific laboratory technician, radiation protection adviser, in the armed forces and defence industry, aerospace, manufacturing, oil and gas, space exploration and telecommunications.



ENTRY REQUIREMENTS

Full entry requirements can be found on our website. Please ensure you check these as some courses have subject specific requirements that must be met in addition to the general entry requirements to join our Sixth Form.

"Studying physics will ensure my career options are kept wide open and I stand a better chance of working in a huge variety of careers and am in the top 5 paid professions. Female students, especially with Physics, can pick their field of expertise."