
PHYSICS

Examination board: AQA 7408

WHY STUDY PHYSICS?

Students will have the opportunity to:

- Learn about a wide range of different aspects of physics
- Discuss abstract ideas and concepts
- Work in small groups to solve practical problems
- Learn and apply new mathematical skills
- Complete 12 required practical tasks
- Analyse data from practical work and draw conclusion

THE A LEVEL PROGRAMME OF STUDY: How you will be assessed

Unit	Unit contents	Assessment and duration
Paper 1	<ul style="list-style-type: none">• Measurements and their errors• Particles and radiation• Waves• Mechanics and materials• Electricity• Further mechanics	2 hours
Paper 2	<ul style="list-style-type: none">• Measurements and their errors• Thermal physics• Fields and their consequences• Nuclear physics	2 Hours
Paper 3	<ul style="list-style-type: none">• Measurements and their errors• Astrophysics• Practical work in physics	2 hours

HIGHER EDUCATION AND CAREER OPPORTUNITIES

Physics is not only interesting; it is also highly marketable. With an A Level in Physics you will have proved that you possess a wide range of key skills, exactly what employers and universities are looking for today. Transferable skills from the use of IT in data-logging experiments; to the numerical skills that are the bedrock of the subject, essential in problem-solving and in practical work; to skill in written expression needed to write explanations.

SUBJECT SPECIFIC ENTRY REQUIREMENTS

Students must have studied: Trilogy Science GCSEs, in which case they must have achieved grade 5-5 (plus a minimum of grade 5 in GCSE mathematics). Grade 4 or higher is also required in GCSE English; or Separate Sciences GCSEs, in which case they must have achieved at least a grade 5 in GCSE physics, plus a grade 5 in one other science and a grade 5 in GCSE mathematics. Grade 4 or higher is also required in GCSE English.

FOR FURTHER INFORMATION please contact Mrs A Freeman afr@sandon.essex.sch.uk