Tomorrow's Leaders
Woolwich Polytechnic
Sixth Form

Physics A Level

Course Content

Year 12 (AS Level)

- Kinematics (physics of motion)
- Forces
- Work, Energy and Power
- Material Science
- Momentum
- Electricity
- Wave Properties
- Quantum Physics

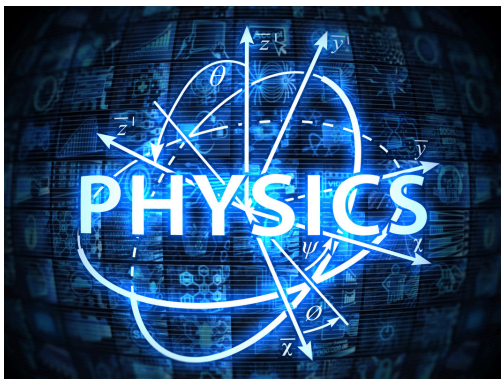
Year 13 (A Level)

- Thermal Physics
- Circular and Simple Harmonic Motion
- Astrophysics and Cosmology
- Electrical, Gravitational and Magnetic Fields
- Nuclear and Particle Physics
- Medical Physics

How will I learn?

Physics is considered one of the hardest A Levels, but also one of the most rewarding. You will learn through:
·Emphasis on practical learning to reinforce theory taught in lessons.

Range of problem-solving tasks to develop key analytical, mathematical and practical skills.
Independent learning tasks aimed to bridge the gap between A Level and Degree level.



How will I be assessed?

Year 12

2x 90 minute exams, each worth 50% of your final AS Grade. This includes 20 marks of Multiple Choice Questions and 120 marks of Written Questions.

Year 13

2x 135 minute exams and 1x 90 minute exam. These will include 30 marks of Multiple Choice Questions and 240 marks of Written Questions.

PAG Practical Assessment (Pass/Fail) consisting of 12 Required Practicals, to be assessed in lessons.

Which awarding body is the course validated by?

OCR Physics A

Entry Requirements

GCSE Physics Grade 6 or Additional Science Grade 6 in Physics exam unit

What qualification will I receive?

AS Level in Physics (End of Year 12)
A Level in Physics (End of Year 13)

What can I do with this qualification?

Physics opens up loads of career paths, including but not limited to:

- Mathematics
- Physics
- Engineering
- Computer Science
- Natural Sciences
- Architecture
- Accounting and Finance
- Economics