



STEM Pathway

Students can choose from the following courses:
**Biology, Chemistry, Maths, Physics,
Psychology, and Engineering.**

Complementary subjects:
Geography, Languages, Psychology and Sociology.

A-Level Physics

The STEM Pathway

Why study Physics?

The course aims to provide an engaging and stimulating experience of Physics. Students are encouraged to develop their own concepts and study methods, under the guidance of an experienced teacher, and to explore and question fundamental scientific ideas and technologies which have puzzled some of the greatest scientists and natural philosophers in history.

What does the course involve?

Module 1: Development of Practical Skills in Physics

Module 2: Foundations of Physics

Module 3: Forces and motion

Module 4: Electrons, waves and photons

Module 5: Newtonian world and astrophysics

Module 6: Particles and medical Physics

What can the qualification lead to?

This course provides a sound basis from which to progress to university courses in Physics and Engineering, Architecture, Materials Technology, Design and Production, Finance, Telecommunications, Medicine, Astronomy and Astrophysics, Meteorology, Archaeology, Optics and Education.

Who is it for?

Inquisitive and curious people that love to investigate and find answers.