

A-LEVEL PHYSICS

Why study A-Level Physics?

Physics is about finding things out. It explains everyday observations like rainbows and red sunsets. It is also about new and changing ideas such as fundamental particles, cosmology and medical physics.

Physics is the basis for technology and engineering.

Physicists actively contribute to the world around us. They develop ideas and products that we rely on and shape the world in which we live.

Physics is a fascinating and stimulating area of study, which demands creative thinking.

With physics in your background there are many career paths that you can travel along.

Exam Board: AQA

Course overview...

Year 12:

- Measurements and their Errors
- Particles and Radiation Waves
- Mechanics and Materials
- Electricity

Year 13:

- Further Mechanics and Thermal Physics
- Fields and their consequences
- Nuclear Physics
- Mechanics and Materials
- Optional Module (Astrophysics, Medical Physics, Engineering Physics or Turning Points in Physics)

Possible careers linked to this qualification...

Aeronautical engineer, Architect, Biomedical engineer, Building surveyor, Chemical engineer, Civil engineer, Computer programmer, Doctor, Electrical engineer, Electronic engineer, Environmental scientist, Geophysicist, Land surveyor, Materials engineer, Mechanical engineer, Medical physicist, Nuclear reactor engineer, Pilot, Product design, Radiographer, Renewable energy technologist, Software engineering, Space scientist, Surgeon.

Some of our students have gone on to study...further after completing...

Chemical Engineering, Mechanical Engineering, Physics, Mathematics, Civil Engineering, Computing.