PHYSICS

Exam Board: AQA
Entry Requirements: Students must achieve a minimum of a Grade 7 in Triple Physics. Combined Science Grade 8-8, Maths Grade 7 and English Language Grade 6.
You are strongly advised to study Maths A Level alongside this course.

COURSE SUMMARY

Physics is the basis of our understanding of the Universe; revealing through research, the fundamental physical processes within it. Physics is a means of fulfilling the human desire to find out how things work and a basis for much modern technology and engineering.

COURSE STRUCTURE

Year 12
2 Written Papers (internal)
1.5 hrs
1: Measurement and their errors
2: Particles and radiation
3: Waves
4. Mechanics and materials
5. Electricity

Year 13
3 Written Papers (A level)
2 hrs
1. Further mechanics and thermal physics
2. Fields and their consequences
3. Nuclear Physics
4. One optional topic from the following: Astrophysics, medical physics, engineering, electronics and Turning points in physics

CAREER CHOICES

Physics should be considered as an essential requirement for those considering careers in engineering and physics. In addition, many physics graduates also work in other fields where their problem-solving abilities and analytical skills are great assets such as: environmental science, forensic science, oceanography, game programming, radiography, audio engineering, automobile industry and finance.