PHYSICS
A LEVEL

ST HILDA'S COLLEGE

Course Content
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
Teaching and Learning
Students will develop a range of skills including problem solving, planning, communication, data acquisition and analysis. The course aims to give students a wide overview of modern physics and its relevance to society. There is an emphasis on practical skills and 'How Science Works'. Practical skills will be assessed in the written examinations. There is also has an internally assessed Practical Endorsement which is reported separately.
Assessment
The A Level course is for students who wish to study physics to a greater depth. At the end of the course, students take 3 examinations. Component 1 assesses modules 1, 2, 3 and 5 Component 2 assesses modules 1, 2, 4 and 6 Component 3 assesses all 6 modules.
Progression
A qualification in A Level physics allows students to pursue many career opportunities: Engineering, Medicine, Astrophysics, Nuclear Industry, Computer Science, Research Scientist, Teaching, Telecommunication, Medical Physics, Geophysics, Environmental Science, Technicians and many non-scientific areas e.g. Law, Accountancy, Architecture and Philosophy.
Entry Requirements
Grade 7-7 in Trilogy or Grade 7 in GCSE Physics, GCSE Maths Grade 6 or above, GCSE English Language Grade 6 or above
Examination Board
OCR
Further Details
Mrs K Finch