

PHYSICS AS-LEVEL

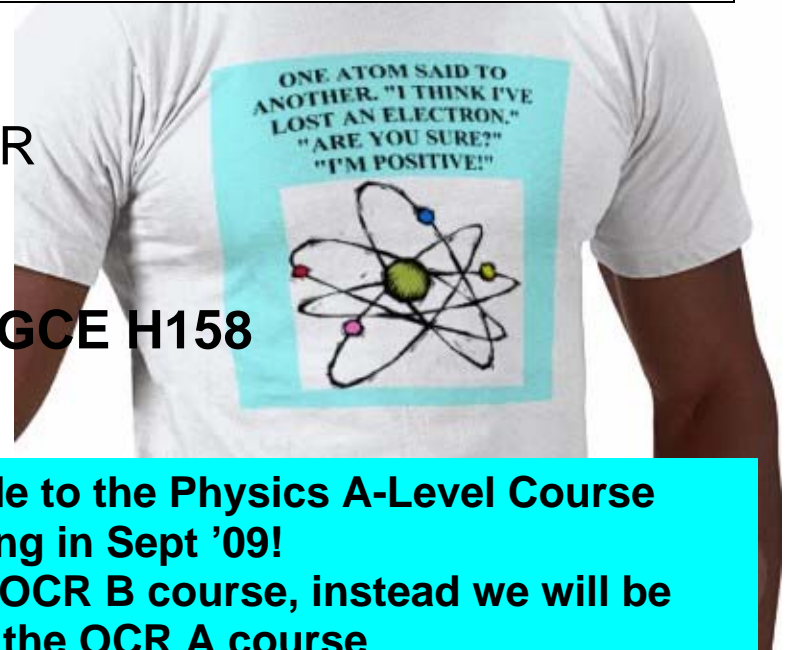
Examination Board: OCR

Specification Number:

Physics A:

Advanced Subsidiary GCE H158

Advanced GCE H558



**A change has been made to the Physics A-Level Course starting in Sept '09!
We will no longer follow OCR B course, instead we will be following the OCR A course**

There is **NO COURSEWORK** element for this course! Only ISA style practical exams – similar to the GCSE assessment of practical skills.

The aims of the course are to encourage students to:

- ◆ Develop their interest in, and enthusiasm for physics, including developing an interest in further study and careers in physics.
- ◆ Appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society
- ◆ Develop and demonstrate a deeper appreciation of the skill, knowledge and understanding of How Science Works
- ◆ Develop essential knowledge and understanding of different areas of Physics and how they relate to each other.

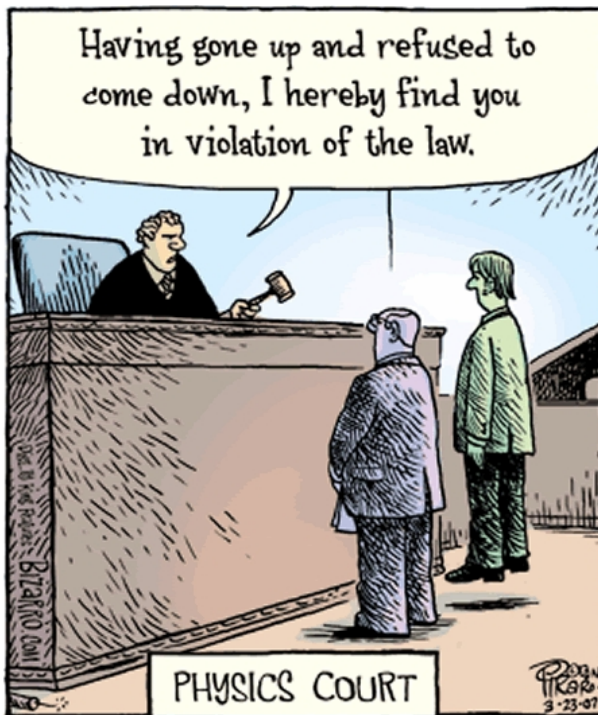
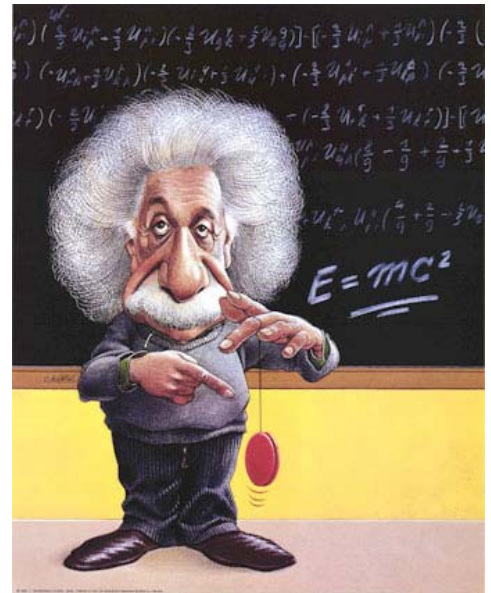
Entry Requirements

Minimum entry requirement is a CC grade in Modular Science (preferably higher) and a good grade (preferably B grade) in maths.

A willingness to meet course requirements and deadlines are also required.

Higher Education

An A Level in Physics can provide a basis for a degree in many areas such as: Astrophysics, Medical Physics, Biophysics, Acoustic Physics, Engineering, Computing, Economics and Electronics.



Careers

Some of the better known careers for Physics graduates include academic and industrial research, working in Physics based industries such as electronics, alternative energy development or communications and the vital area of Medical Physics.

Physicists are in demand for their analytical skills in many financials roles. Also in law and as weather forecasters, computer programmers and physics and

science teachers.

Course Content

Unit name and code	% of AS course	Style of assessment
Mechanics G481	30%	1Hour written paper
Electrons, waves and photons G482	50%	1.75 Hour written paper
Practical Skills in Physics G483	20%	“Coursework” Assessed within class time as ISA style exams (similar to GCSE assessment of practical skill)

Unit name and code	% of A2 Course	Style of Assessment
The Newtonian World G484	15%	1Hour Written paper
Fields, Particles and Frontiers of Physics G485	25%	1.75 Hour written paper (Synoptic)
Practical Skills in Physics (2) G486	10%	“Coursework” Assessed within class time as ISA style exams (similar to GCSE assessment of practical skill)