

AQA(A) 7408

ADVANCED LEVEL PHYSICS

If you are interested in finding out the answers to these, and many other questions, then Physics is for you!

What are quarks, neutrinos and positrons? How do optical fibres work and what applications do they have in communications and medicine? What happens when objects collide (e.g. car crashes)? How does the angle that you throw a javelin at affect the distance it will travel? Why is the jam in a steamed pudding always hotter than the sponge? How does the volume control of a stereo work?

COURSE CONTENT

Year 12

Topics covered in Year 12 will include particles, quantum phenomena, electricity,

mechanics, materials and waves plus practical skills.

Year 13

In Year 13, further topics studied will include electric, gravitational and

magnetic fields, capacitors, thermal Physics, radioactivity and the optional

module is Turning Points – important discoveries that had a huge influence in the progress of Physics.

ASSESSMENT

3 written papers at the end of Y13, Papers 1 & 2 – 2 hours, 60 marks from short answer + 25 multiple choice questions. Paper 3 – 2 hours, 45 marks from short and long answers including practical experiments and data analysis + 35 marks from optional topic (Turning points).

SUBJECT COMBINATIONS

Physics A level students typically study Maths, Chemistry, Computer Science but also Art and lots of other combinations are possible.



Fides Caritas Unitas

ALL SAINTS

ROMAN CATHOLIC SCHOOL • YORK

ENTRY REQUIREMENTS

At least grade 66 in GCSE Combined Science or Grade 6 or higher in GCSE Physics. Grade 6 or higher in GCSE Mathematics.

Determination and a willingness to work hard!

PROGRESSION

A Level Physics is a very widely respected A Level and can open lots of doors for you in the future. It goes well with a wide range of other subjects, so consider choosing Physics to complement Arts subjects as well as with Maths and other science subjects.

FUTURES

Physics is essential or useful in a vast range of careers, including:

Acoustic Engineer, Medical Physicist, Mechanical Engineer, Oceanographer, Optician, Radiographer, Doctor, Forensic Scientist, Technical Translator, Geo-Physicist, Scientific Publisher

COURSE CONTACT

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