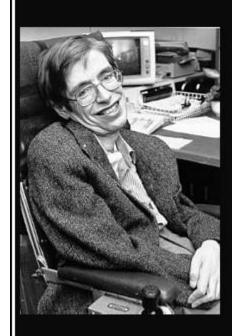


A-Level Physics

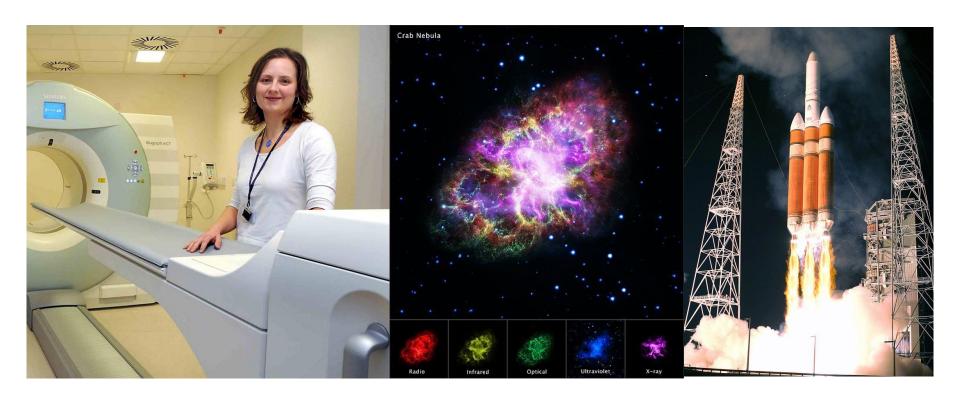


My goal is simple. It is a complete understanding of the universe, why it is as it is and why it exists at all.

(Stephen Hawking)

izquotes.com

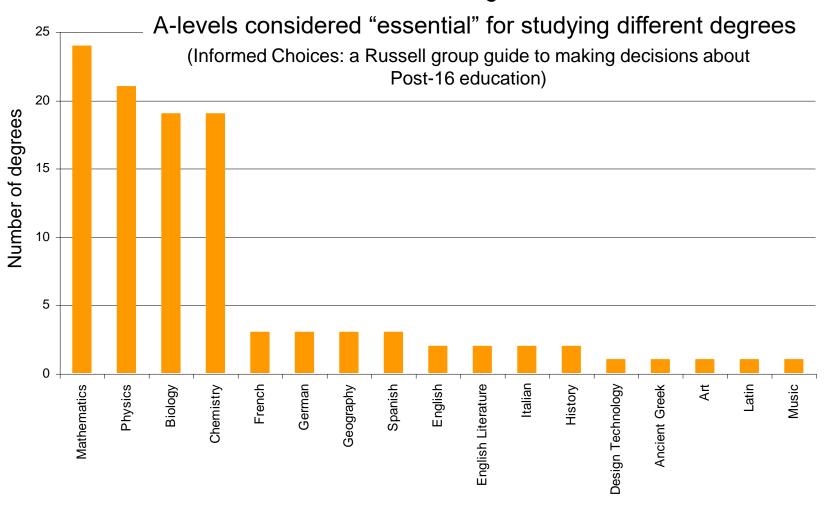
Go on to: Physics, Medical Physics, Engineering, Astrophysics, Space Science.



Go on to: Maths, Natural Sciences, Architecture, Medicine, Vet Science, Computer Science, Pilot



It's a facilitator subject



Complimentary Subjects

Maths and Further Maths

Chemistry and Biology

Computer Science

Design and Technology

Contrasting Subjects

Creative subjects (Art, Music...)

Essay writing subjects/humanities (History, English, Philosophy and Ethics, Geography, French...)

Why Here?





Co-Curricular

- IRIS Projects
- Educational Visits (CERN, Universities..)
- Guest Speakers
- Olympiad and Stretch and Challenge







The Course:

Year 12:

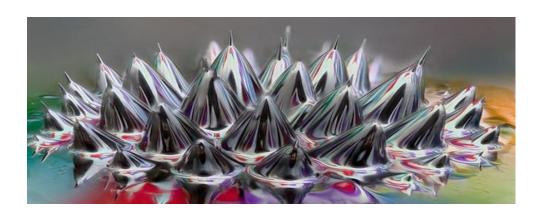
Mechanics

Materials

Electrical Circuits

Waves and Optics

Quantum Physics







The Course:

Year 13:

Circular and Harmonic Motion

Nuclear and Particle Physics

Medical Physics

Astrophysics

Electromagnetism and Fields











The Course:

- 3 Exams at the end of year 13
- -Modelling Physics (Mainly motion, materials, astrophysics)
- -Exploring Physics (Mainly electricity, waves, nuclear and medical physics)
- -Unified Physics (Synoptic paper covering everything)

Ongoing practical assessment, recorded separately.

How hard is A-Level Physics?

Fairly challenging

Highly regarded by universities.

Skill based subject, you get better by practising.

Do I need to take A-Level Maths?

No

It is useful though as you spend more time practising the skills.

The Physics course is taught assuming only GCSE Maths

More information:

Search terms in bold

The Course: 'OCR Physics A (from 2015)'

Choosing your A-Levels: 'Russell Group Informed Choices'