

What are the aims of this course?

Triple Science (leading to a GCSE in each Biology, Chemistry and Physics). Triple Science is the course for you if you relish hard work, working above and beyond and commitment to support yourself through your studies along with the teacher support. The teaching style of the course is extremely academic. There is an emphasis on the importance of 'How Science Works' in the world at large as well as the laboratory. Students will cover a vast array of different subjects such as the importance of cells, chemical elements and forces and motion at a level with more depth than the Combined Science course. This is the course for you if you aspire to complete A Levels in Science, particularly Physics, and envisage a future career in Science.

What will I learn?

Within Biology you will learn the cell structure and replication, how our bodies respond to infection, how plants will produce their own food and how we as humans control the chemical reactions happening in our bodies. For Chemistry, you delve into the atomic structure and how that determines reactivity, the structure of compounds and what the Earth consists of. Physics encompasses the inner workings of electrical circuits, our reliance on energy resources and the effect of forces on the movement and momentum of objects.

Progression and Career Opportunities

Progression:

A Levels in Science but also provides transferrable skills for all subjects in further education.

Career Opportunities:

Careers are Medicine, Dentistry, Engineering, Veterinary Science are some examples for those who have studied A Levels.

Entry Requirements

- **4 - or above in Science and Maths**
- **EOY target grade 4 minimum in Tracking 2**
All the above criteria must be met.

Further Information

AQA Website

<http://www.aqa.org.uk/subjects/science/gcse>

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Course Outline

Unit Titles	Content	% Unit is Worth
Biology (2 papers leading to a GCSE)	Cell biology, Organisation, Infection and response, Bioenergetics, Homeostasis and response, Inheritance, Variation and Evolution, Ecology	Each paper is worth 50%
Chemistry (2 papers leading to a GCSE)	Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry; Chemical changes; and Energy changes, The rate and extent of chemical change; Organic chemistry; Chemical analysis; Chemistry of the atmosphere; and Using resources	Each paper is worth 50%
Physics (2 papers leading to a GCSE)	Energy; Electricity; Particle model of matter, Atomic structure, Forces, Waves, Magnetism and Electromagnetism and Space Physics	Each paper is worth 50%