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| Triple Science GCSE Triple |
| Exam Board | AQA | Course Code | Biology (8461) Chemistry (8462) Physics (8463) |
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| Outline of course | AQA Triple science qualifications have been developed with teachers to inspire and challenge students of all abilities and aspirations. * **Paper 1 Biology**

**Topics 1–4:** Cell biology; Organisation; Infection and response; and Bioenergetics.* **Paper 2 Biology**

**Topics 5–7:** Homeostasis and response; Inheritance, variation and evolution; and Ecology.* **Paper 1 Chemistry**

**Topics 1–5:** Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.* **Paper 2 Chemistry**

**Topics 6–10:** The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and using resources.* **Paper 1 Physics**

**Topics 1-4:** Energy; Electricity; Particle model of matter; and Atomic structure.* **Paper 2 Physics**

**Topics 5-8:** Forces; Waves; Magnetism and electromagnetism; and Space physics. *(Questions in paper 2 may draw on an understanding of energy changes and transfer)*  |
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| Method(s) of Assessment | **Internal Assessments*** Mid-point assessments-set half way through topics that are 12 or more lessons to assess current knowledge and identify misconceptions
* End of topic tests- set after the topic has been completed.
* Mock exams on paper 1 and paper 2- some will be completed in line with school mock exam calendar

**External Assessments*** This qualification is linear meaning students will sit all their exams at the end of the course.
* There are 6 written exams: 1 hour and 45 minutes (totalling 100 marks)
* Each paper makes up 50% of a science GCSE. Questions will be a combination of multiple choice, structured, closed short answer and open response
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| Choose this subject if.. | If you’re already thinking about university and careers and are interested in science-based degrees and jobs then it is definitely worth considering taking separate science GCSEs. Most top universities prefer applicants for science subjects to have taken the triple award option at GCSE. Whatever career you are considering, taking triple science GCSE will set you up well for later life. Employers are crying out for candidates with science-based skills. The types of skills you learn studying all three Sciences can be really helpful for all sorts of different careers. Whether it’s doing analytical stuff or developing a scientific way of thinking. |
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| Possible careers/ future pathways | Examples range from:* A-levels in Biology, Chemistry or Physics
* Analytical chemist.
* Nursing
* Physicist
* Chemical engineer
* Pharmacologist
* Astronomer
* Zoology
* Animal technician.
* Midwifery
* Dentistry
* Medicine
* Clinical psychologist or research associate
* Clothing/textile technologist.
* Colour technologist.
* Engineering
* Agriculture
* Mechanics
* Electrician
* Veterinary
* Construction
* Cosmetics
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