

“Triple” Science (equivalent to three GCSEs)

Information from the exam board can be found [here](#) (biology), [here](#) (chemistry) and [here](#) (physics).

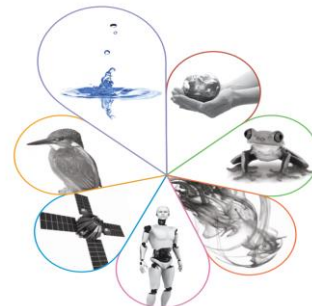
Grades awarded: 9 – 1 (awarded separately in each subject)

Why study this subject?

GCSE study in combined science provides the foundations for understanding the material world. Scientific understanding is changing our lives and is vital to the world’s future prosperity. All students should be taught essential aspects of the knowledge, methods, processes and uses of science. They should be helped to appreciate how the complex and diverse phenomena of the natural world can be described in terms of a small number of key ideas relating to the sciences which are both inter-linked, and are of universal application.

What will I study in this course?

- ▶ A wide range of biology, chemistry and physics topics;
- ▶ The nature, processes and methods of science;
- ▶ Application of practical, modelling, and problem-solving skills;
- ▶ Critical analysis of the methodology, evidence and conclusions.



How will I be assessed?

There are six papers which are all assessed at the end of Year 11: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas and lasts for one hour and forty-five minutes. A range of question types will be used, including multiple choice, short answer and those that require extended responses. Papers are available in higher and foundation tiers.



What will this qualification lead to?

Students are able to go on to many different courses in sixth form and/or college, including A level Biology, Chemistry, Physics, Applied Science, Psychology along with vocational courses in Health and Social Care, Child Development, Animal Health or Engineering.

The range of careers involving science is almost endless, and many employers value candidates who have a good scientific background.

How is the course structured?

	Autumn Term	Spring Term	Summer Term
Year 9	Cell Biology Atomic structure and the periodic table	Energy Bonding, structure and properties of matter	Particle model of matter Organisation of life
Year 10	Infection and response Quantitative Chemistry Electricity	Photosynthesis, respiration and metabolism Chemical and energy changes Atomic structure and radioactivity	Homeostasis and responses Rate and extent of chemical reactions Forces
Year 11	Inheritance, variation and evolution Organic chemistry Waves and magnetism	Adaptations, interdependence and competition Chemical analysis Space physics	Revision & Examinations

For more information, contact: Dr Baird (Head of Science)

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