



Triple Science

(GCSE)



Teacher Contact: Ms Forster (Curriculum Leader for Science)
or Ms Briggs (Second in Science/Key Stage 4 Coordinator)

Why study Triple Science?

This pathway provides sound preparation for those students wishing to study science at Advanced level.

- You may wish to pursue one of the many careers that make use of science
- You may plan to study a science at degree level in the future
- You enjoy the study of science and want to develop your knowledge of the subject even further.

What key Skills will I learn?

Science engages students in a wide range of activities and learning styles:

- practical work developing laboratory skill;
- independent research and analysing reports critically;
- small group and class discussions;
- preparing and giving presentations;
- modelling and understanding key scientific concepts;
- discussing and making scientific and/or ethical judgements;
- data handling and analysis – constructing and reading tables, graphs etc.



What knowledge and concepts will I learn about?

You will achieve three separate GCSE's Biology, Chemistry and Physics.

GCSE Biology - explores how living things function, adapt and relate to their natural environment. It covers the topics of Cells and Control, Genetics, Health, Diseases and the Development of Medicines, Plant Structures and their Functions and Animal Coordination, Control and Homeostasis.

GCSE Chemistry - explores the composition of substances, their properties and reactions. It covers the topics of Atomic Structure, Purifying substances and Ionic and Covalent Bonding, Acids, Chemical Cells and Fuel Cells.

GCSE Physics - explores the mechanics of our Universe, looking at matter, energy and movement. It covers the topics of Radioactivity, Waves, Astronomy, Forces, Static Electricity and Electromagnetic Induction.

What attitudes and qualities are required to do well?

“To create and maintain curiosity through an innovative curriculum where scientific discovery and excitement is at the heart of teaching.”

If you enjoy the subject in KS3 and have a real interest and curiosity in scientific discovery, then GCSE Triple Science is for you.



You will need good literacy (reading and writing) skills and communication skills, sound investigative and interpretation skills and an ability to analyse and evaluate. You will need to be hard working and conscientious and show a willingness to work independently to supplement work done in class.

How will I be assessed?

100% examination all taken at the end of Year 11

There will be two written papers for each Science, totalling 6 exams.

All exams are 1 hour 45 minutes long.



Which other subjects link into this course?

The Triple Science course links with mathematics and shares the development of similar skills.

What career options are open to me?

Teacher, doctor, vet, architect, engineer, chemist, biochemist, biomedical scientist, scientific researcher, astro-physicist, radiographer, or physiotherapist.

For more information you might like to visit

<http://www.edexcel.com/quals/gcse/GCSE-science-2011/Pages/specifications.aspx>