

Combined Science – Trilogy 8464 (Double Award)

Qualification:

2 GCSEs - Foundation (F) tier – grades 1 → 5
- Higher (H) tier – grades 4 → 9

Is this course for me?

All students must take a science course.

Most students will complete the Combined Science Course during Years 9, 10 and 11 to gain two GCSE qualifications. It is a low/medium demand course that will still allow you to take academic science courses at Post 16 if you are entered for the Higher (H) tier papers. You will study science for six periods a week.

What does the course involve?

Combined Science GCSEs involve the study of all three sciences and you will be encouraged to develop an informed interest in science and its impact on everyday life.

Through practical work, you will learn about scientific method and the need to work safely. You will be required to carry out 12 specified practical investigations per academic year and these will be assessed through questions on the written paper.

Subjects Covered –

Biology paper 1 – 75 minutes (16.7%) – Cell Biology, Organisation, Infection and Response and Bioenergetics.

Biology paper 2 – 75 minutes (16.7%) – Homeostasis and Response, Inheritance, Variation and Evolution and Ecology.

Chemistry paper 1 – 75 minutes (16.7%) – Atomic Structure and the Periodic Table, Bonding, Structure and the Properties of Matter, Quantitative Chemistry and Chemical and Energy Changes.

Chemistry paper 2 – 75 minutes (16.7%) – The rate and extent of Chemical Change, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere and using Resources.

Physics paper 1 – 75 minutes (16.7%) – Energy, Electricity, Particle model of matter and Atomic Structure.

Physics paper 2 – 75 minutes (16.7%) – Forces, Waves and Magnetism and Electromagnetism.

All written papers contain multiple choice, structured, closed short answer and open response questions.

What courses can this lead to in Post-16?

Grades 6-6 or higher will be required for entry to academic science A level courses in the papers of the discipline you would like to follow. It may be necessary for you to attend bridging sessions after your examinations in June of Year 11 to help cover some essential topics missed from the separate science course.

For more details please contact:

MRS M L HALE – HEAD OF SCIENCE