

Separate Sciences – Biology, Chemistry & Physics (8461, 8462, 8463) (Triple Award)

Qualification:

3 separate GCSEs – Higher (H) tier grades 4 → 9

Is this course for me?

Higher ability students will complete the Separate Science Course during Years 9, 10 and 11 to gain three separate GCSE qualifications. It is a high demand course that is specifically designed to prepare you for A level academic science courses. You will study science for six periods a week. Only students who show high academic achievement and good work ethic will continue on this course to the final examinations at the end of Year 11. Some students may have to fall back to double award at the end of Year 10 if this is not the case.

What does the course involve?

Separate Science GCSEs involve the study of all three sciences. There is a greater depth and breadth than on the double course. You will be encouraged to develop an in depth interest in science and use it to explain events in everyday life.

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

Subjects Covered –

Biology paper 1 – 105 minutes (50%) – Cell Biology, Organisation, Infection and Response and Bioenergetics.

Biology paper 2 – 105 minutes (50%) – Homeostasis and Response, Inheritance, Variation and Evolution and Ecology.

Chemistry paper 1 – 105 minutes (50%) – Atomic Structure and the Periodic Table, Bonding, Structure and the Properties of Matter, Quantitative Chemistry and Chemical and Energy Changes.

Chemistry paper 2 – 105 minutes (50%) – The Rate and Extent of Chemical Change, Organic Chemistry, Chemical Analysis, Chemistry of the Atmosphere and Using Resources.

Physics paper 1 – 105 minutes (50%) – Energy, Electricity, Particle Model of Matter and Atomic Structure.

Physics paper 2 – 105 minutes (50%) – 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.

For more details please contact:

MRS M L HALE – HEAD OF SCIENCE