



GCSE

Separate Sciences: Biology, Chemistry, Physics

The Brunts Academy

Key Features of the Course:

The separate sciences route offers Biology, Chemistry and Physics as individual GCSEs. Each of the separate science GCSEs enables students to:

- Develop scientific knowledge and conceptual understanding through the specific disciplines of biology, chemistry and physics.
- Develop understanding of the nature, processes and methods of science, through different types of scientific enquiries that help them to answer scientific questions about the world around them.
- Develop and learn to apply observational, practical, modelling, enquiry and problem solving skills, both in the laboratory, in the field and in other learning environments.
- Develop their ability to evaluate claims based on science through critical analysis of the methodology, evidence and conclusions, both qualitatively and quantitatively.

What type of student is this suitable for?

Triple scientists are identified by the science faculty and these students are in the top sets for Science. You need to be interested in learning about Science, particularly how Science is used in the outside world. Key qualities and skills that will enable students to thrive and achieve highly in the subject include good organisation, resilience, communication, the ability to research, analyse and evaluate, time management and working well practically. You need to be motivated to complete homework and revise in time for the examinations as there is a lot of content to learn.

What could this course lead on to?

Depending on the grade achieved it may then be possible to gain entry onto the Science A levels Biology, Chemistry and Physics Post -16. The skills and knowledge that you have gained doing GCSE Sciences also allow you to do other A level courses and vocational courses. Many students go on to universities to do courses such as law, medical science, nursing, teaching, accountancy and engineering etc.

What will you study and how will you be assessed.

All assessment is taken at the end of the two year course. This means there are 2 exams per subject at the end of Year 11. Each exam is 1 hour and 45 minutes long and is worth 50% of the total grade (50% from each exam in that subject). Grading will follow the new guidelines of 1-9. This is equivalent to 3 GCSE grades. The exams will all be a combination of multiple choice, structured, closed short answer, and open response questions. Some of the questions will link to key practical skills (15% of exam) covered in lessons as set in the specification.

Course Details: Triple Science (3 GCSE's: Biology, Chemistry and Physics)

Website: <https://www.aqa.org.uk/subjects/science/gcse>

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