

SCIENCE: Separate Science Programme: Biology, Chemistry and Physics (GCSE)

As a core subject, all students will study science. The core time allocated to science is not part of the options procedure. During year 9 all students will follow the same course.

Approximately 60% of our students will study for a double award science GCSE.

Approximately 40% will study for three separate sciences described below, which results in students achieving three separate GCSEs in Biology, Chemistry and Physics. Students will be advised of the pathway most appropriate for them to study in the summer of year 9.

Examination Board

AQA

Overview of the course

Groups will work through a variety of units of study in Biology, Chemistry and Physics. These will all be examined in June of Year 11.

The course has a similar ethos to the combined Science courses but with greater scientific content and more emphasis on scientific methodology.

This course will enable students to

- Gain a better knowledge and understanding of Science
- Access jobs and careers that require Science as an entry qualification.
- Develop abilities and skills that are relevant to the study, practice and application of Science, which are useful in everyday life and encourage safe practice.
- Acquire a systematic body of scientific knowledge and the skills needed to apply this in new and changing situations in a range of social, industrial and environmental contexts.
- Develop an understanding of scientific issues

Practical skills will be monitored throughout the three year course and the assessment of these will make up approximately 20% of the examination questions in the final exams.

Students will achieve three separate GCSEs in Biology, Chemistry and Physics. This will give an excellent grounding for further study at A level as well as a thorough appreciation for science and its place in society.

How you will be assessed

Subject	Assessment and duration	Maximum Marks	Percentage of overall result
Biology 1	Each exam is 1 hr 45 mins. Each will assess different topics. Question types are multiple choice, structured, closed, short answer & open response.	100	50%
Biology 2		100	50%
Chemistry 1		100	50%
Chemistry 2		100	50%
Physics 1		100	50%
Physics 2		100	50%

Each GCSE is 100% examined in 2 written papers. Results will be graded on a nine point scale: 1 to 9 – where 9 is the best grade.

Post-16 courses available

Students can go on to study any of the sciences at A Level in The Sandon Sixth Form. To study at A level students are required to gain high grades in their science and maths GCSEs.