

What Will I Be Studying?

Science is a core subject in your Key Stage 4 education. It is the subject that opens up your understanding of the world and our society and can help improve your further education, training and career prospects. Whether or not you intend to use Science in your life after 16, the skills and knowledge that you will learn are valued by employers across the job-market. A good qualification in Science will help you outstand from others competing for the same job.

Depending on academic performance, students will take either AQA Combined Science Trilogy which is the equivalent of two GCSEs or will take three separate GCSEs in AQA Biology, Chemistry and Physics. Both courses are suitable for entry into A-level Science, as long as a high enough level is achieved. Regardless of the pathway taken, all students will study the three sciences and develop a range of practical skills. Students that study separate Sciences will study this as their optional subject allocation.

BIOLOGY	CHEMISTRY	PHYSICS
1. Cell Biology	1. Atomic structure and the periodic table	1. Energy
2. Organisation	2. Bonding, structure, and the properties of matter	2. Electricity
3. Infection and response	3. Quantitative chemistry	3. Particle model of matter
4. Bioenergetics	4. Chemical changes	4. Atomic structure
5. Homeostasis and response	5. Energy changes	5. Forces
6. Inheritance, variation and evolution	6. The rate and extent of chemical change	6. Waves
7. Ecology		
	7. Organic chemistry	7. Magnetism and electromagnetism
8. Key ideas (separate only)	8. Chemical analysis	8. Space Physics (separate only)
	9. Chemistry of the atmosphere	
	10. Using resources	

How Will I Be Assessed?

There is no controlled assessment, however the students' ability to work scientifically will be tested within the terminal GCSE exams in Year 11 along with the scientific content which is divided into the topics as shown above.

Whichever science GCSE route you take, there will be six exams at the end of year 11, two for each of the three main topics. For combined science each exam will last 1hr 15 minutes, whereas for triple science each exam will last 1hr 45 minutes

Who Would Enjoy This Course?

Those with a natural curiosity and a desire to find out how the world around them works will enjoy Science. Good practical skills are important and the ability to communicate scientific ideas and knowledge. Anyone who enjoys maths will do well in the mathematical parts of the course.

How Will This Course Help Me In The Future?

GCSEs in Science develop many skills. As well as being a requirement for many areas of further study and careers, Science is also highly regarded by employers who appreciate the need to have employees with high levels of scientific awareness and analytical skills.

For some careers, such as medicine, physiotherapy, engineering, pharmacy, astrophysics and climate change research, Science is a necessity, but it is also useful in many other careers, such as finance and investment banking.