





# Science

Subject Leader	<b>Mrs J Ainsworth</b>
Subject Teacher(s)	<b>Mrs Ainsworth, Ms Shaw, Ms Clarke, Ms Mullins, Ms Winston, Dr Slaughter, Mr Galvin</b>
Course Title	<b>GCSE Chemistry ( 1 GCSE)</b> <b>GCSE Physics ( 1 GCSE)</b> <b>GCSE Biology ( 1 GCSE)</b>
Website	<a href="#">AQA   Science   GCSE   Chemistry</a> <a href="#">AQA   Science   GCSE   Physics</a> <a href="#">AQA   Science   GCSE   Biology</a>



# Course Overview

- Students follow the Triple Science course and will study three GCSEs in Biology, Chemistry and Physics.
- Each course is a separate GCSE in its own right, they include the relevant science content from GCSE Combined Science but cover topics in more depth and include additional, more challenging content and practicals.
- The courses encourage students to explore, explain, theorise and model in science, developing a critical approach to scientific evidence and through working scientifically promotes transferrable scientific skills.



# Course Overview

Topics studied are:

## Biology

1. Cell biology
2. Organisation
3. Infection and response
4. Bioenergetics
5. Homeostasis and response
6. Inheritance, variation and evolution
7. Ecology

## Chemistry

1. Atomic structure and the periodic table
2. Bonding, structure, and the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes
6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

## Physics

1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure
5. Forces
6. Waves
7. Magnetism and electromagnetism
8. Space



# Assessment

- For each Science GCSE there are two exams. The exams are equally weighted and have 100 marks (50% of GCSE) available in each.
- Each written exam is 1hour 45 minutes and is available as foundation and higher tier.
- They will assess knowledge and understanding for each subject from the above topic areas including all required practicals. The papers will consist of multiple choice, structured, closed short answer, and open response questions.
- Past exam papers and specimen papers can be found here:

[AQA | Find past papers and mark schemes](#)



# Additional information

Science is a core subject that opens the doors on a huge number of STEM related careers <https://www.istemnetwork.org/parents-students/stem-career-opportunities/>

Specialised teachers use practical work to unlock the wide variety of science skills as well as the knowledge and understanding needed to equip them for life as adults.

This has been shown by the strong record of students going on to STEM related careers at Post 16 and beyond including entry to Oxbridge and Russell group universities.