

CORE SUBJECTS

SCIENCE

All students will study Science at GCSE. Two pathways are available, and the Science department will recommend which course is suitable for each student individually.

Students will begin to study the GCSE sciences toward the end of Year 9, and all will cover the same material. If you wish to earn 3 GCSEs, one in each science, you must select one of your option choices as **'Separate Sciences'**.



If you have any questions about the courses and their relevance to you, please contact Miss. H. Jones at hyj@malbank.cheshire.sch.uk

COMBINED SCIENCES

GCSE Combined Science, also known as Double Award Science or Trilogy, is a course that covers all three sciences (Biology, Chemistry, and Physics) and awards students two GCSE grades.

The science covered in the GCSE course is highly relevant to everyday life. We explore subjects as diverse as cloning, mobile phones, and climate change, all of which you will see mentioned in the news.

2 COMBINED GCSE'S



Biology

- Cell Biology
- Organisation
- Infection and Response
- Bioenergetics
- Homeostasis and Response
- Inheritance, Variation and Evolution
- Ecology



Chemistry

- Atomic Structure and the Periodic Table
- Bonding, Structure, & Properties of Matter
- Quantitative Chemistry
- Chemical Changes
- Energy Changes
- The Rate and Extent of Chemical Change
- Organic Chemistry
- Chemical Analysis
- Chemistry of the Atmosphere
- Using Resources



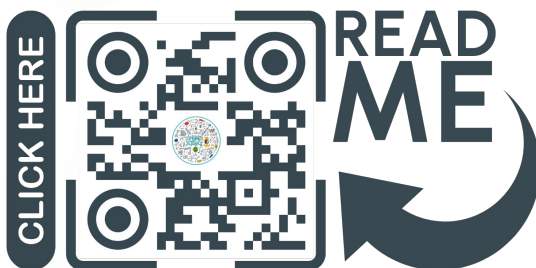
Physics

- Forces
- Energy
- Waves
- Electricity
- Magnetism and Electromagnetism
- Particle Model of Matter
- Atomic Structure

CORE SUBJECTS

Examinations for GCSE Combined Science trilogy (2 GCSEs):

- **Tiers:** Foundation and Higher.
- **Six papers:** Two Biology, two Chemistry and two Physics. Each will assess different topics.
- **Duration:** All the papers are 1 hour 15 minutes.
- **Weighting:** The papers are equally weighted. Each is worth 16.7% of the grade and has 70 marks.
- **Question types:** Multiple choice, structured, closed, short answer and open response.



GCSE Separate Sciences, or Triple Award Science, is a course where students study Biology, Chemistry, and Physics separately and earn three GCSEs. It is ideal if you are likely to choose A-level sciences in college or sixth form.

Examinations for GCSE Separate Sciences (3 GCSEs):

- **Tiers:** Foundation and Higher.
- **Six papers:** Two Biology, two Chemistry and two Physics. Each will assess different topics.
- **Duration:** All the papers are 1 hour 45 minutes.
- **Weighting:** The papers are equally weighted. Each is worth 50% of the grade of each science and has 100 marks.
- **Question types:** Multiple choice, structured, closed, short answer and open response.

