

Students have separate Biology, Chemistry, and Physics lessons with specialist teachers. Science concepts will be explored in depth, allowing students to engage with key ideas and scientific principles. Experiments will assist students in developing greater skills in manipulating equipment and recording data. They will discuss scientific problems, design research projects, and test models of scientific hypotheses.

This course is designed for students with proven scientific work skills who want to pursue a career or course that requires a solid science background and would like a head start in AS-level sciences.

3 SEPARATE 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
- *Space Physics

On completing the course, you will be awarded three GCSEs (one for each science). Employers and universities highly value science qualifications, which can lead to many career options, including:

- [Analytical chemist](#),
- [Animal technician](#),
- [Biomedical engineer](#),
- [Biomedical scientist](#),
- [Clinical psychologist](#),
- [Clinical research associate](#),
- [Clothing/textile technologist](#),
- [Colour technologist](#),
- [Community pharmacist](#),
- [Environmental health practitioner](#),
- [Food technologist](#),
- [Forensic scientist](#),
- [Hospital pharmacist](#),
- [Metallurgist](#),
- [Meteorologist](#),
- [Microbiologist](#),
- [Nanotechnologist](#),
- [Oceanographer](#),
- [Pharmacologist](#),
- [Plant breeder/geneticist](#),
- [Product development scientist](#),
- [Research scientist \(life sciences\)](#),
- [Science writer](#),
- [Scientific laboratory technician](#),
- [Teaching laboratory technician](#),
- [Toxicologist](#),
- [Water quality scientist](#)



If you have any questions, please contact Miss. H. Jones at hyj@malbank.cheshire.sch.uk