

Combined Science

‘Science is a way of thinking much more than it is a body of knowledge.’ - Carl Sagan



Science is one of the most important subjects students study, because it gives you the critical thinking skills you need in every subject. Science helps you understand how the world works and will help you build your knowledge base. Studying Science opens a whole world of possibilities as there is so much of variety in what you can learn and develop. You will study:

Biology

- Fundamental principles
- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

Chemistry

- Atomic structure and the periodic table
- Bonding and structure
- Quantitative chemistry
- Chemical changes
- Energy changes
- Rate of chemical change
- Organic chemistry
- Chemical analysis
- The atmosphere
- Using resources

Physics

- Energy
- Electricity
- Particle model of Matter
- Atomic structure
- Forces
- Waves
- Magnetism and electromagnetism

Internal Assessment		External Assessment	
<p>You will be assessed in the form of an exam question test at the end of every half term. With an end of year exam at the end of Year 9 and Year 10.</p> <p>Throughout the course there are 21 Required Practicals which all pupils must complete.</p>		<p>There are six final exams, each lasting 1 hour 15 minutes. These are equally weighted, worth 16.7% of the GCSE each. There are two Biology papers, two Chemistry papers and two Physics papers.</p>	
Course Title	Exam Board	Specification Code	Website
Combined Science Trilogy	AQA	8464	www.aqa.org.uk

Science is a Core GCSE that all employers like to see on an application. There are many career paths that require Science these include:

Health Care
Animal Care
Criminology/Forensics
Sports
Archaeologist
Marine Scientist

Engineering
Lab Technician
Nuclear Scientist
Geophysics
Microbiologist
Product Development

Product Development
Beauty Sector
Soil Scientist
Hydrology
Medical
Vet
Plus many more!

Director of Faculty: Ms Williams

Triple Science

'Scientists have become the bearers of the torch of discovery in our quest for knowledge.' - Stephen Hawking



Why study Triple Science?

Science is one of the most important subjects students study, because it gives you the critical thinking skills you need in every subject. Science helps you understand how the world works and will help you build your knowledge base. Studying Science opens a whole world of possibilities as there is so much of variety in what you can learn and develop.

What do you study?

This is 3 separate GCSE courses. You will have 3 GCSEs for Science at the end of the course. You will study:

Biology

Fundamental principles
Cell biology
Organisation
Infection and response
Bioenergetics
Homeostasis and response
Inheritance, variation and evolution
Ecology

Chemistry

Atomic structure and the periodic table
Bonding and structure
Quantitative chemistry
Chemical changes
Energy changes
Rate of chemical change
Organic chemistry
Chemical analysis
The atmosphere
Using resources

Physics

Energy
Electricity
Particle model of Matter
Atomic structure
Forces
Waves
Magnetism and electromagnetism

External Assessment

There are six final exams, each lasting 100 minutes. These are equally weighted, worth 50% of each GCSE (e.g. the two biology papers are worth 50% of the GCSE each). These papers are taken instead of the Combined Science papers - there are no additional exams for Triple Science compared to Combined Science. The papers are longer and cover both the combined and triple science content.

Course Title	Exam Board	Specification Code	Website
Biology Chemistry	AQA	8461 8462	www.aqa.org.uk

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Health Care
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Criminology/Forensics
Sports
Archaeologist
Marine Scientist

Engineering
Lab Technician
Nuclear Scientist
Geophysics
Microbiologist
Product Development

Product Development
Beauty Sector
Soil Scientist
Hydrology
Medical
Vet
Plus many more!

Separate Science GCSEs may be beneficial if you wish to study for an A level in a Science.

Director of Faculty: Ms Williams