



# GCSE Combined Science: Trilogy

- CORE COMPULSORY
- NON-QUALIFICATION
- OPTION
- EBACC SUBJECT

Examination board: AQA

Course code: 8464

Subject contact: Mrs E. McCarthy, Co. Curriculum Leader for Science

Course Description	
<p>GCSE Combined Science is the academic study, investigation and explanation of the world we live in. This course will equate to two GCSEs. It includes the study of the Biology, Chemistry and Physics. The subjects are assessed in separate papers, but the grades combined to give two GCSE grades. The knowledge and skills learnt and developed in science will help you throughout your lives.</p> <p>The course is delivered in distinct units.</p> <p>The units include:</p>	
<p><u>Biology</u></p> <ol style="list-style-type: none"> <li>1. Cell biology</li> <li>2. Organisation</li> <li>3. Infection and response</li> <li>4. Bioenergetics</li> <li>5. Homeostasis and response</li> <li>6. Inheritance, variation and evolution</li> <li>7. Ecology</li> </ol>	<p><u>Physics</u></p> <ol style="list-style-type: none"> <li>1. Energy</li> <li>2. Electricity</li> <li>3. Particle model of matter</li> <li>4. Atomic structure</li> <li>5. Forces</li> <li>6. Waves</li> <li>7. Magnetism &amp; electromagnetism</li> </ol>
<p><u>Chemistry</u></p> <ol style="list-style-type: none"> <li>1. Atomic structure and the periodic table</li> <li>2. Bonding, structure, and the properties of matter</li> <li>3. Quantitative chemistry</li> <li>4. Chemical changes</li> <li>5. Energy changes</li> <li>6. The rate and extent of chemical change</li> <li>7. Organic chemistry</li> <li>8. Chemical analysis</li> <li>9. Chemistry of the atmosphere</li> <li>10. Using resources</li> </ol>	

Entry Requirements
None

Key Skills
Investigation and enquiry, analysis, extended writing, independent learning, organisation.

Cost
TBC

Assessment
<p>100% 6 x 1 hr 15 min examination papers (Summer of Year 11)</p> <p>All examinations are in May/June. Individual exams cannot be retaken. There are two tiers in the examined units, Foundation tier and Higher tier. Students will be guided to take Foundation or Higher depending on their progress and ability. Questions include multiple choice, structured, closed short answers and open response.</p>

Careers
Biotechnology, Chemical Engineering, Pharmacology, Medical Sciences, Forensic Sciences, Engineering, Veterinary Sciences, Sports Sciences, and more.

Further education opportunities
This qualification will enable students to complete Level 3 science qualifications such as A-level Sciences or Level 3 BTECs

Enrichment and Support
Revision support sessions