

# GCSE Combined Science (Trilogy) Curriculum Guide

What will my son learn?		
<p><b>Y10 Autumn term - Biology</b></p> <ul style="list-style-type: none"> <li>• Cell Biology</li> <li>• Organisation</li> <li>• Infection &amp; response</li> <li>• Bioenergetics</li> </ul> <p><b>Y11 Autumn term - Biology</b></p> <ul style="list-style-type: none"> <li>• Homeostasis &amp; response</li> <li>• Inheritance, variation &amp; evolution</li> <li>• Ecology</li> </ul>	<p><b>Y10 Spring Term - Chemistry</b></p> <ul style="list-style-type: none"> <li>• Atomic structure &amp; the periodic table</li> <li>• Bonding, structure &amp; the properties of matter</li> <li>• Quantitative Chemistry</li> <li>• Chemical Changes</li> <li>• Energy Changes</li> <li>• The rate &amp; extent of chemical change</li> </ul> <p><b>Y11 Spring Term - Chemistry</b></p> <ul style="list-style-type: none"> <li>• Organic chemistry</li> <li>• Chemical analysis</li> <li>• Chemistry of the atmosphere</li> <li>• Using resources</li> </ul>	<p><b>Y10 Summer Term - Physics</b></p> <ul style="list-style-type: none"> <li>• Forces</li> <li>• Energy</li> <li>• Waves</li> <li>• Electricity</li> </ul> <p><b>Y11 Summer Term - Physics</b></p> <ul style="list-style-type: none"> <li>• Magnetism &amp; electromagnetism</li> <li>• Particle model of matter</li> <li>• Atomic structure</li> </ul>

## How will my son be assessed?

- 6 exams (2 biology, 2 chemistry, 2 physics)
- Each is 1 hour 15mins long
- Each is worth 70marks (16.7%of overall grade)
- Questions can be multiple-choice, structured, closed, short answer and open response.
- Foundation and Higher Tier papers.
- 1-9 Grading scale (17points from 1-1 to 9-9)

### Assessment objectives

- AO1: Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures - 40%
- AO2: Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures – 40%
- AO3: Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures – 20%

#NB – There is no controlled assessment – practical skills will be developed within the lessons and examined in the paper exams

## How can I support my son with the Trilogy course.

- Attendance to all lessons is compulsory
- Students should be encouraged to do independent reading outside of the assigned homework
- Ensure he is up-to-date with assignments and is meeting all deadlines set by the school
- Websites and books will be published to support the new specifications

