

GCSE Combined Science (Trilogy) Curriculum Guide

Year 10

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

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

