



# AQA GCSE Trilogy Combined Science

## **COURSE OUTLINE:**

Students study Biology, Chemistry and Physics and achieve a double award of 2 GCSE grades. External examinations are in May and June of Year 11. Students will cover the following topics during the course:

### 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, and the 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.

This course is suitable as preparation for traditional science A- levels.

## **COURSE ASSESSMENT:**

There are six final examinations: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Each paper will contribute 16.7% of the overall final grade and will last 1 hour and 15 minutes. The papers will contain a mixture of multiple choice, structured, closed short answer, and open response questions.

## **COURSE QUALIFICATION:**

GCSE Trilogy Combined Science.

Double award (Two GCSE qualifications) Grade 9 - 1

## **AQA website:**

<http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

## **TEACHER TO SEE FOR GUIDANCE:**

MR J. ELLISON

CORE



# AQA GCSE in Biology, Chemistry and Physics

## **COURSE OUTLINE:**

Students study Biology, Chemistry and Physics independently and achieve a single GCSE grade for each subject. External examinations are in May and June of Year 11. Students will cover the following topics during the course:

### 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, and the 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.

This course is suitable as preparation for traditional science A-levels.

## **COURSE ASSESSMENT:**

For each subject there are two final examinations. Each of the papers will assess knowledge and understanding from distinct topic areas. Each paper will contribute 50% of the overall final grade and will last 1 hour and 45 minutes. The papers will contain a mixture of multiple choice, structured, closed short answer, and open response questions. This is a very demanding course and students will be given places according to their aptitude for Science.

## **COURSE QUALIFICATION:**

Three independent GCSEs for Biology, Chemistry and Physics Grades 9 - 1

### **AQA websites:**

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461>  
<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>  
<http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

### **TEACHER TO SEE FOR GUIDANCE:**

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