

## Combined Science AQA Trilogy

There are **six papers** in total and this will gain you 2 GCSEs for the combined Science: 2 for biology, 2 for chemistry and 2 for physics. Each paper is 1hr 15mins – 70 marks (16.7% of the GCSE)

### **Biology Topics**

#### ***Paper 1 – topics 1-4***

- Cell biology
- Organisation
- Infection and response
- Bioenergetics

#### ***Paper 2 – topics 5-7***

- Homeostasis and response
- Inheritance
- Variation & evolution
- Ecology

### **Chemistry Topics**

#### ***Paper 1 – topics 8-12***

- Atomic structure and the periodic table
- Bonding, structure & properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

#### ***Paper 2- topics 13-17***

- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

### **Physics Topics**

#### ***Paper 1 – topics 18-21***

- Energy
- Electricity
- Particle model of matter
- Atomic structure.

#### ***Paper 2 – topics 22-24***

- Forces
- Waves
- Magnetism
- Electromagnetism

## AQA Triple Science

### **GCSE Biology (8461)**

Each paper is 1hr 45mins – 100 marks (50% of the GCSE)

#### ***Paper 1 – topics 1-4***

- Cell biology
- Organisation
- Infection and response
- Bioenergetics

#### ***Paper 2 – topics 5-7***

- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

## **GCSE Chemistry (8462)**

Each paper is 1hr 45mins – 100 marks (50% of the GCSE)

### ***Paper 1 – topics 1-5***

- Atomic structure and the periodic table
- Bonding, structure & properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes

### ***Paper 2- topics 6-10***

- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

## **GCSE Physics (8463)**

Each paper is 1hr 45mins – 100 marks (50% of the GCSE)

### ***Paper 1 – topics 1-4***

- Energy
- Electricity
- Particle model of matter
- Atomic structure

### ***Paper 2 – topics***

- Forces
- Waves
- Magnetism
- Electromagnetism
- Space physics

*Questions in Paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity*