

## AQA Single Sciences GCSE - Topics and Assessments

There are **six papers** in total and this will gain you 3 separate GCSEs (Biology, Chemistry, Physics). 2 papers each for biology, chemistry and physics these will all be taken at the **end of Year 11** in the Summer exams.

### 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*

The specifications can be found here:

<http://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

<http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

<http://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

There are some specimen papers that you can look at to help understand the course these can be found at:

<http://www.aqa.org.uk/exams-administration/exams-guidance/find-past-papers-and-mark-schemes>