



## GCSE Biology

Your course is AQA GCSE Biology 8461

You can find the specification for your course here

<https://www.aqa.org.uk/subjects/science/gcse/biology-8461>



The GCSE is divided in to two 100-mark exams. These are as follows:

### **Paper One: Biology**

- Cell Biology
- Organisation
- Infection and Response
- Bioenergetics

#### Required practicals

- Microscopy
- Antibiotics and bacterial growth
- Osmosis
- Enzymes
- Food tests
- Photosynthesis

### **Paper two: Biology**

- Homeostasis
- Adaptation, Interdependence and Competition
- Inheritance, Variation and Evolution

#### Required Practical

- Growth of seedlings
- Reaction times
- Field investigations
- Decay

### What resources do you need?

- A revision guide.
- Revision cards
- A Maths in Science guide.
- A work book
- A knowledge organiser

**All can be purchased from the online shop**



### Additional resources

1. Log on to the student shared area. **Go to the Year 10 folder then click on the folder called year 10 revision resources. Then click on Science – preparing for your GCSE.** Here you will find all of the power points for all of the topics, exam questions with answers, past exam papers from AQA and a folder with power points and videos for each of the required practicals. Everything you need to revise is in this folder!
2. Further exam papers can be found here <https://www.aqa.org.uk/find-past-papers-and-mark-schemes>
3. [Videos | freesciencelessons](#)
4. [AQA GCSE Biology Revision Notes 2018 | Save My Exams](#)
5. [GCSE Biology \(Single Science\) - AQA - BBC Bitesize](#)

## GCSE Physics

Your course is AQA GCSE Physics 8463

You can find the specification for your course here

<https://www.aqa.org.uk/subjects/science/gcse/physics-8463>



The GCSE is divided in to two 100-mark exams. These are as follows:

<b>Paper One: Physics</b>
<ul style="list-style-type: none"><li>▪ <b>Particle Model of Matter</b></li><li>▪ <b>Atomic Structure</b></li><li>▪ <b>Energy</b></li><li>▪ <b>Electricity</b></li></ul> <p><b>Required practicals</b></p> <ul style="list-style-type: none"><li>▪ <b>Specific heat capacity</b></li><li>▪ <b>Testing thermal insulators</b></li><li>▪ <b>Resistance</b></li><li>▪ <b>V – I characteristics</b></li><li>▪ <b>Density</b></li></ul>
<b>Paper Two: Physics</b>
<ul style="list-style-type: none"><li>▪ <b>Forces</b></li><li>▪ <b>Waves</b></li><li>▪ <b>Magnetism and Electromagnetism</b></li><li>▪ <b>Space physics</b></li></ul> <p><b>Required practicals</b></p> <ul style="list-style-type: none"><li>▪ <b>Force and extension</b></li><li>▪ <b>Acceleration</b></li><li>▪ <b>Waves</b></li><li>▪ <b>Reflection and refraction</b></li><li>▪ <b>Radiation and absorption</b></li></ul>

### What resources do you need?

- A revision guide.
- Revision cards
- A Maths in Science guide.
- A work book
- A knowledge organiser

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2. Further exam papers can be found here <https://www.aqa.org.uk/find-past-papers-and-mark-schemes>
3. [Videos | freesciencelessons](#)
4. [AQA GCSE Physics Topic Questions 2018 | Save My Exams](#)
5. [GCSE Physics \(Single Science\) - AQA - BBC Bitesize](#)

## GCSE Chemistry

Your course is AQA GCSE Chemistry 8462

You can find the specification for your course here:

<https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

GCSE Chemistry is divided into two 100-mark exams. These are as follows:



<b>Paper One: Chemistry</b>
<ul style="list-style-type: none"> <li>▪ <b>Atomic Structure</b></li> <li>▪ <b>Bonding</b></li> <li>▪ <b>Chemical Changes</b></li> <li>▪ <b>Quantitative Chemistry</b></li> <li>▪ <b>Energy changes</b></li> </ul> <p><b>Required practicals</b></p> <ul style="list-style-type: none"> <li>▪ <b>Making salts</b></li> <li>▪ <b>Electrolysis</b></li> <li>▪ <b>Titration</b></li> <li>▪ <b>Temperature changes</b></li> </ul>
<b>Paper two: Chemistry</b>
<ul style="list-style-type: none"> <li>▪ <b>Rates of Reaction</b></li> <li>▪ <b>Organic Chemistry</b></li> <li>▪ <b>Chemical Analysis</b></li> <li>▪ <b>Chemistry of the Atmosphere</b></li> <li>▪ <b>Using Resources</b></li> </ul> <p><b>Required practicals</b></p> <ul style="list-style-type: none"> <li>▪ <b>Rates of reaction</b></li> <li>▪ <b>Chromatography</b></li> <li>▪ <b>Testing for Ions</b></li> <li>▪ <b>Water purification</b></li> </ul>

### What resources do you need?

- A revision guide.
- Revision cards
- A Maths in Science guide.
- A knowledge organiser and PLC booklet.
- A work book

***All can be purchased from the online shop***



### Additional resources

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3. [Videos | freesciencelessons](#)
4. [AQA GCSE Chemistry Revision Notes 2018 | Save My Exams](#)
5. [GCSE Chemistry \(Single Science\) - AQA - BBC Bitesize](#)