

# Science

**Exam board:** AQA Science

Combined Science (Trilogy): <http://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464>

Separate Science (Biology): <http://www.aqa.org.uk/subjects/science/gcse/biology-8461>

Separate Science (Chemistry): <http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462>

Separate Science (Physics): <http://www.aqa.org.uk/subjects/science/gcse/physics-8463>

## Resources needed for revision:

- Revision guides are available to purchase via ParentPay at the following costs:
  - 9-1 GCSE Combined Science (Trilogy) – Higher or Foundation Tier **£5.50**
  - 9-1 GCSE Separate Science (Biology, Chemistry and Physics) – Higher tier **£2.75** each
- Workbooks are available to purchase via ParentPay at the following costs:
  - 9-1 GCSE Combined Science (Trilogy) – Higher or Foundation Tier **£5.50**
  - 9-1 GCSE Separate Science (Biology, Chemistry and Physics) – Higher tier **£2.75** each
  - Lab books focusing on the required practicals (provided by the school)
- **OLC** – go to the new revision menu on the Science OLC to find all the revision resources. Specimen past papers and mark schemes are also available on the OLC
- **Kerboodle** <https://www.kerboodle.com> (refer to the guidance sheet on the front of your exercise book for details of how to log on)
- Exercise books containing class notes

**Top revision tips:**

- Start revision as early as possible. Begin by constructing a revision timetable to include what topic you are going to revise and when.
- Use the specification links above or the OLC to find the learning outcomes for each topic. This will give you a definitive list of what you need to know.
- Use your exercise books, revision guide and Kerboodle to revise each topic and make brief revision notes on the key information.
- Remember that only 15% of the marks in the examinations are on just recall of information. You need to be able to apply your understanding to unfamiliar situations which is where examination technique comes in.
- You can access the past paper material from the website links above or the OLC. When completing past papers ensure you do so in examination conditions and set yourself a time limit. Use the mark schemes to check your answers and develop your understanding of what the examiners are looking for.
- Ensure that you are completing your homework pre-task to prepare for the upcoming revision sessions.
- Look at the practical skills handbook on the OLC to familiarise yourself with the required practicals – these will count for 15% of the marks in the examination.
- Complete the practical questions in your lab books and check the answers using the mark schemes at the back.
- If you are struggling with any topic come along to Session 3 on Thursday to access extra help

## Science Session 3 Schedule

Date	Focus		
	Biology	Chemistry	Physics
Thursday 17 <sup>th</sup> January	Cell structure and microscopy	Chemical changes	Specific latent heat & specific heat capacity
Thursday 24 <sup>th</sup> January	Transport in cells	Energy changes	Waves
Thursday 31 <sup>st</sup> January	Cell division & stem cells	Ionic bonding	Magnetic field & motor effect
Thursday 7 <sup>th</sup> February	Enzymes	Covalent bonding, polymers, metals	Calculating energies
Thursday 14 <sup>th</sup> February	Respiration and photosynthesis	Electrolysis	Resolving forces
<b>HALF TERM</b>			
Thursday 28 <sup>th</sup> Feb	Communication (nerves & reflexes)	Quantitative chemistry (mole calculations)	Electricity
Thursday 7 <sup>th</sup> March	Homeostasis	Chemistry of the atmosphere	Velocity, Acceleration, speed & motion graphs
Thursday 14 <sup>th</sup> March	Inheritance and genetic disorders	Using resources	Radiation
Thursday 21 <sup>st</sup> March	Evolution, speciation & genetic engineering	Rates of reaction	Practical skills
Thursday 28 <sup>th</sup> March	Examination technique	Periodic table/examination technique	Examination technique
Thursday 4 <sup>th</sup> April	Examination technique	Analysis/examination technique	Examination technique
Thursday 11 <sup>th</sup> April	<b>No Session 3 (last week of term)</b>		
<b>EASTER</b>			
Thursday 2 <sup>nd</sup> May	<b>No Session 3 (first week of term)</b>		
Thursday 9 <sup>th</sup> May	Examination technique	Examination technique	Examination technique
GCSE's Start			