What to Expect in Combined Science

6 exam papers, 1 hour 15 mins each

Biology paper 1
- Topic B1 – Cell Biology
- Topic B2 – Organisation
- Topic B3 – Infection and response
- Topic B4 - Bioenergetics

Chemistry paper 1
- Topic C1 – Atomic structure and the periodic table
- Topic C2 – Bonding, structure and properties of matter
- Topic C3 – Quantitative chemistry
- Topic C4 – Chemical changes
- Topic C5 – Energy changes

Physics paper 1
- Topic P1 – Energy
- Topic P2 – Electricity
- Topic P3 – Particle model of matter
- Topic P4 – Atomic structure

Biology paper 2
- Topic B5 – Homeostasis and response
- Topic B6 – Inheritance, variation and evolution
- Topic B7 – Ecology

Chemistry paper 2
- Topic C6 – The rate and extent of chemical change
- Topic C7 – Organic chemistry
- Topic C8 – Chemical analysis
- Topic C9 – Chemistry of the atmosphere
- Topic C10 – Using resources

Physics paper 2
- Topic P5 – Forces
- Topic P6 – Waves
- Topic P7 – Magnetism and electromagnetism

The **foundation** tier awards grades ranging from a

5-5 to a 1-1

The questions are **low** and **standard** demand.

The higher tier awards grades ranging from a

9-9 to a 4-3

The questions are **standard** and **high** demand.

There are a number of **required practicals** which the students need to know about.

15% of the marks in each paper will be questions on the **required practicals**.

Grades awarded:

For combined science, there is a 17 point grading scale, ranging from 9-9 being the highest possible grade, through 9-8, 8-8, 8-7, 7-7, 7-6, 6-6, etc, right down to 1-1.
A grade 4-4 is a 'recognised pass', and will get you on to our level 3 science course in the sixth form
a grade 5-5 is a 'good pass', and
a grade 7-7 is required to study the sciences at A-level.

If looking online for revision resources, make sure you search for the correct specification:

Combined Science AQA trilogy, either foundation or higher tier

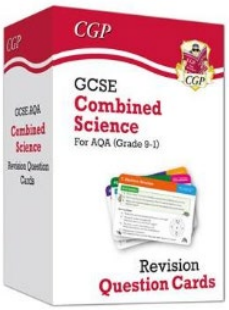
Recommended revision:

Treat revision in two parts:

1. **Working on your subject knowledge, i.e. 'learning the science', then**
2. **Practicing past exam questions**

Part 1 - Subject knowledge

The key is to work out what you know and what you still need to work on, as there is no point revising what you already know.



- Use the GCSE revision guides that we have lent you
- Create flash cards (or buy some already made!)
- Make three piles, one **green**, one **amber** and one **red**
- Test yourself regularly and often, putting each card on one of the three piles
  - **Green** – aced it!
  - **Amber** – needs a bit of work
  - **Red** – really unsure on this one

Then, do something different to try and learn the content you are unsure of:

YouTube videos

Cognito – short, clearly explained videos on small parts of the curriculum
Free Science lessons – short videos specific to AQA
Primrose kitten – longer videos which summarise the whole paper in an hours video

Revision websites

BBC bitesize AQA – detailed webpages with small quizzes and videos interwoven
Seneca Learning – self testing
Educake Quizzes – students can find their own quizzes on areas of weakness
Physics and maths tutor – it covers all sciences, not just physics and maths!
Flash cards, mind maps, and past exam questions with answers

Then go back to your flashcards and try the red and amber ones again. Every time you do this, some of the **red** and **amber** cards should be moved to the **green** pile.

Google classroom code

Foundation tier

t3dffbm

Part 2 – Past exam paper practice

Complete past exam questions **and mark them** to see the typical wording of the questions and what is accepted as an answer.

Lots available on our google classrooms or the AQA website

Google classroom code

Higher tier

5o6mytg