



**GCSE**

**08/11/2023**

# GCSE Combined Science: Trilogy

This double award is equivalent to two GCSEs and is split over 6 exams. 2 biology, 2 chemistry and 2 physics.

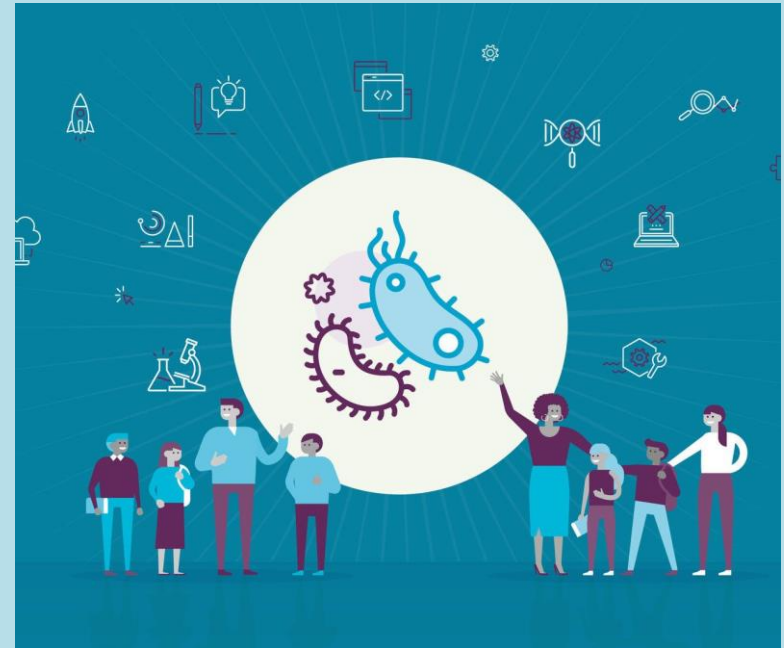
Paper 1 is based on content learned in year 10, paper 2 is based on year 11 content.

# GCSE Single Science Biology

This single award is worth one GCSE in science and is purely biology content. It is split into two exams.

# Biology (Single included)

- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology



# Chemistry

- Atomic structure and the periodic table
- Bonding, structure, and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources



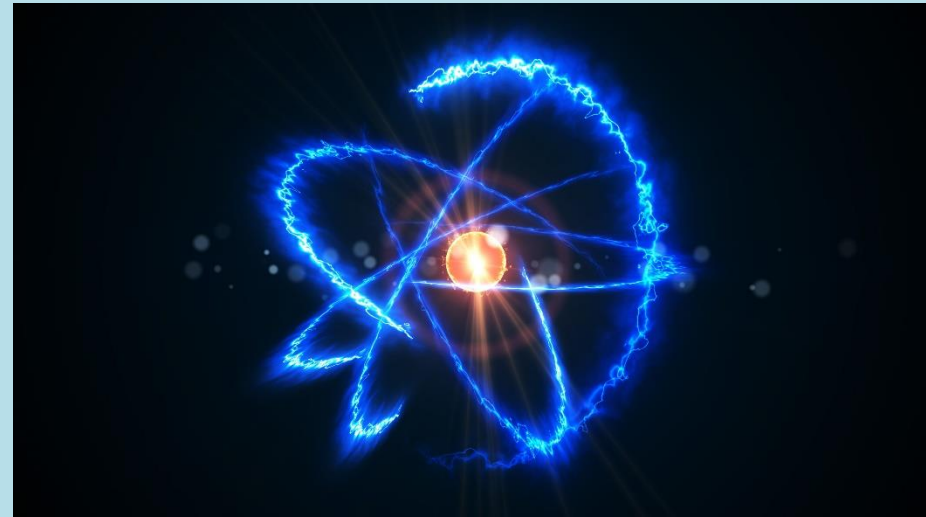
# Physics

- Forces
- Energy
- Waves
- Electricity
- Magnetism and electromagnetism
- Particle model of matter
- Atomic structure

## **Mock topics:**

**Paper 1:** Energy electricity, atomic structure and particle model

**Paper 2:** Magnetism & electromagnetism, Waves and Forces



# The best revision techniques!

- <https://www.youtube.com/watch?v=p60rN9JEapg>



# Effective Revision!

- Should be **active**, that means **not just reading the revision guide or knowledge organisers.**
- **DO** take notes- cover, check and repeat
- **DO** Fill in your **white science workbooks and knowledge organisers**
- **DO** make mind maps
- **DO** colour code your notes- **e.g. green for biology**
- **DO** lots of short revision sessions e.g **30 minute sessions**

- Do practice questions:

<https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources?f.Resource+type%7C6=Question+papers>

- Watch YouTube videos

<https://www.youtube.com/c/Freesciencelessons/playlists> (you will need the GCSE 9-1 playlists)



# Important exam tips-BUG!



- **Box** the command word of the question (by literally drawing a box around it).
- **Underline** key words in the question which tell you what topic or theme the question relates to (e.g. whether it relates to osmosis, infection, cell structure or something else)
- **Glance** over the question one last time before you answer it to make sure you've not missed any essential information.

# Important exam tips

- READ THE QUESTION! Do **NOT** skip over parts of a question or you could miss what it is asking.
- Look at how **many marks** it is worth. If it is **1 mark** do **NOT** spend lots of time on it!
- For 6 mark questions, **make a plan** before answering the question- this could be a small **mind map** on a spare piece of paper.

# On the day of the exam, mocks and real ones!

- Students must have a clear pencil case with:
  - a couple of **sharp** pencils
  - A rubber
  - A couple of **black** pens
  - A ruler
  - A calculator
  - **Optional but useful-** a highlighter for highlighting information in questions