



AQA GCSE Combined Science 8464

Revision

Revision is all about starting early and spacing things out. Actors don't leave rehearsing their lines until the day they start shooting the movie. Athletes don't leave training until the day before a big event. Starting early and spacing revision out allows time in between to forget and re-learn the material, which is a very powerful learning technique.

Science Topics

Biology (paper 1)

1. Cell biology
2. Organisation
3. Infection & response
4. Bioenergetics

Biology (paper 2)

5. Homeostasis & response
6. Inheritance, variation & evolution
7. Ecology

Chemistry (paper 1)

1. Atomic structure and the periodic table
2. Bonding, structure, & the properties of matter
3. Quantitative chemistry
4. Chemical changes
5. Energy changes

Chemistry (paper 2)

6. The rate and extent of chemical change
7. Organic chemistry
8. Chemical analysis
9. Chemistry of the atmosphere
10. Using resources

Physics (paper 1)

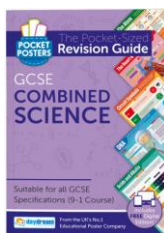
1. Energy
2. Electricity
3. Particle model of matter
4. Atomic structure

Physics (paper 2)

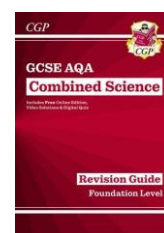
5. Forces
6. Waves
7. Magnetism & electromagnetism

How to revise science

1. Make revision summaries:
 - Flash cards - with basic knowledge questions on one side and answers on the other. Test yourself repeatedly. The ones you get wrong, place in a pile and try these again in a few days
 - Mind maps – create a mind map for each topic and write out what you can remember about the topic. Compare to the pre-made mind maps on the Year 11 Science TEAMS channel. Then try again in a few days
 - Use the Summary Notes, revision summary sheets and revision lessons on the Year 11 TEAMS channel!
2. Practise exam style questions:
 - Use the exam questions workbook provided to you
 - Use AQA past papers & mark schemes:
<https://revisionscience.com/gcse-revision/science/science-gcse-past-papers/aqa-gcse-science-past-papers>
 - Ask your teacher for past papers
 - Write the answers out as you would in an exam then self-assess using the mark scheme. Look for the use of **key words** and **command words** (describe, explain, compare, evaluate etc.)
3. Use video summaries of the content to boost your science knowledge:
 - www.freesciencelessons.co.uk
 - www.youtube.com/c/Cognitoedu/playlists
 - www.youtube.com/c/primrosekittenscience/playlists
4. Use revision guides to reinforce info on your flash cards and mind maps:



Pocket Posters



CGP

Homework and independent learning

- Ensure you complete all homework and independent learning. Use the Educake website and Seneca to practise.
- Complete this form if you need your passwords resetting: https://forms.office.com/Pages/ResponsePage.aspx?id=JjyPPym580-nQUQJKG6wb_gdq_RNtCxLpG_9hzSbssdUQ0MzQUNZUIZGUKKE5NDQyNzc4NkRIN05LNy4u