

Guidance for preparing for your AQA GCSE Separate Science (Biology/Chemistry/Physics) Exams

Biology Paper 1 Tuesday 14th May 2019 (1pm)

Biology Paper 2 Friday 7th June 2019 (1pm)

Paper 1

What's assessed

Topics 1–4: Cell biology; Organisation; Infection and response; and Bioenergetics.



Paper 2

What's assessed

Topics 5–7: Homeostasis and response; Inheritance, variation and evolution; and Ecology.

Chemistry Paper 1 Thursday 16th May 2019 (9am)

Chemistry Paper 2 Wednesday 12th June 2019 (9am)

Paper 1:

What's assessed

Topics 1–5: Atomic structure and the periodic table; Bonding, structure, and the properties of matter; Quantitative chemistry, Chemical changes; and Energy changes.



Paper 2:

What's assessed

Topics 6–10: The rate and extent of chemical change; Organic chemistry; Chemical analysis, Chemistry of the atmosphere; and Using resources.

Physics Paper 1 Wednesday 22rd May 2019 (1pm)

Physics Paper 2 Friday 14th June 2019 (9am)

Paper 1:

What's assessed

Topics 1-4: Energy; Electricity; Particle model of matter; and Atomic structure.



Paper 2:

What's assessed

Topics 5-8: Forces; Waves; Magnetism and electromagnetism; and Space physics.

Questions in paper 2 may draw on an understanding of energy changes and transfers due to heating, mechanical and electrical work and the concept of energy conservation from Energy and Electricity.

How each paper is assessed

- Each written exam: 1 hour 45 minutes
- Students will be taking the Higher Tier
- 100 marks available on each paper
- Each paper is 50% of a separate GCSE

Each paper is made up in a similar format of questions. These include:

Multiple choice, structured, closed short answer, and open response.

Resources available to help with revision:

<https://sites.google.com/theweald.org.uk/science/home>

(also available to students through schoolsmartPortal (my apps))

Weald GCSE science subject page. Here you can access Powerpoints to every unit of the course, links to useful websites such as BBC bitesize, AQA science, Educake (all students have logins and access to these questions) and other useful links for revision materials.

Focus elearning. This allows students to revise the required practical activities, gives information on key topics and provides video links to video lessons on different topics

Science dictionary. A useful dictionary that has a level of language and understanding suitable for GCSE level.

<http://www.aqa.org.uk/subjects/science/gcse/biology-8461/assessment-resources>

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-8462/assessment-resources>

<http://www.aqa.org.uk/subjects/science/gcse/physics-8463/assessment-resources>

Specimen papers and mark schemes for all the papers.

<http://filestore.aqa.org.uk/resources/biology/specifications/AQA-8461-SP-2016.PDF>

<http://filestore.aqa.org.uk/resources/chemistry/specifications/AQA-8462-SP-2016.PDF>

<http://filestore.aqa.org.uk/resources/physics/specifications/AQA-8463-SP-2016.PDF>

AQA syllabus documents that cover everything that needs to be learnt.