

## Science GCSE

In Science we follow the AQA specifications. Combined pupils will receive two GCSEs in Science. Separate Science (Triple) pupils will receive three GCSE grades, one for each of the sciences.

### How many exams will I take in Science?

Combined Science pupils will sit 6 exams. All papers are 1hour 15 minutes in duration.

- Biology Paper 1
- Biology Paper 2
- Chemistry Paper 1
- Chemistry Paper 2
- Physics Paper 1
- Physics Paper 2

Separate Science (Triple) pupils will sit 6 exams. All papers are 1hour 45 minutes in duration.

- Biology Paper 1
- Biology Paper 2
- Chemistry Paper 1
- Chemistry Paper 2
- Physics Paper 1
- Physics Paper 2

### What will be covered in each exam?

#### **Biology paper 1**

1. Cell Biology
2. Organisation
3. Infection and Response
4. Bioenergetics

## **Biology Paper 2**

5. Homeostasis and Response
6. Inheritance, Variation and Evolution
7. Ecology

## **Chemistry Paper 1**

1. Atomic Structure and the Periodic Table
2. Bonding, Structure and 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 and Electromagnetism
8. Space Physics (Triple only)

## **Which websites can I use to help me revise?**

- <https://senecalearning.com/en-GB/>

Seneca is an excellent resource to help you recall scientific facts. It can be used for all of the sciences. Please ensure you select the correct exam board, AQA. You will access to revision materials for all of your topics here.

- <https://www.freesciencelessons.co.uk/>

Free Science Lessons offer short, concise videos. The videos are broken down into sub sections of the curriculum. They are a great way of revising required practicals.

- <https://www.bbc.co.uk/bitesize/examspecs/z8r997h>

BBC Bitesize is an online resource packed full of information which can be used to help make revision cards or mind maps. For each topic, BBC Bitesize has a revision area and short tests.

- <https://www.youtube.com/channel/UCBgvmal8AR4QIK2e0EfJwaA>

Primrose Kitten provides videos covering all areas of Science. When using this resource, please select the exam board, AQA.

## **What are command words?**

Command words are the words and phrases used in exams that tell pupils how they should answer a question. For a list of the command words and their definitions, please follow this link:

<https://www.aqa.org.uk/resources/science/gcse/teach/command-words>

## **How do I revise?**

There are many revision techniques available. It is a good idea to try several of them, to find out which ones work best for you. Techniques include:

- Making revision cards - Write a question on one side and the answer on the back. You can ask a family member to test you on these.

- Mind maps - You can use these to write templates for topics and add information about the sub areas. For example the topic 'Chemical Changes' could have sub areas of 'Reactivity of Metals', 'Reactivity of Acids' and 'Electrolysis'
- Use of the websites named above.
- Exam questions - Answer as many exam questions as you can! The more practice you get, the easier you will find them. Your teacher will be adding exam questions packs to Satchel One to help you.
- Use of glossaries - Make sure you know what the scientific words mean. You may be asked to write a definition. Alternatively, the word might be in the question and you will need to understand its meaning to be able to give the correct answer.
- Revision guides - The recommended revision guides are *CGP Complete Revision and Practice*. These can be purchased through the school.