



Revision advice for triple Science pupils



Science



How many GCSEs is the course worth?

Separate GCSEs in Biology, Chemistry & Physics to be awarded, and therefore appropriate revision time should be allocated.



Science – The Exams



Papers to be sat

Papers 1 & 2 for Biology

Papers 1 & 2 for Chemistry

Papers 1 & 2 for Physics

All papers are 1 hour and 45 minutes long and sat at different times.

There is now no coursework for GCSE science qualifications, everything relies on the exams!!



Science



Required practicals:

There will be questions on these on all exams – not all of them, but we don't know which ones!

Pupils need to be aware of the methods, results and how they relate to the topics that they were taught with.



Science



The tricky questions – worth 6 marks!

Animals and plants have features (adaptations) that allow them to survive in the conditions in which they normally live.

Describe how animals and plants are adapted to survive in dry conditions such as deserts.

For each adaptation that you give, describe how the adaptation helps the animal or plant to survive in dry conditions.

To obtain full marks you should refer to **both** animals and plants.



Science



How to approach answering them:

- The first thing we would suggest the students to do is highlight all the key information;
- The question asks for dry conditions, adaptations for both animals AND plants. Students often talk about ONLY plants or ONLY animals they need to both, students also often talk about the Antarctic, this is not relevant it has specifically asked for the desert.



Science



How easy is it to pick up marks?

For 1-2 marks they would simply say camels have long eyelashes or cactus have spikes.

For 3-4 marks students have to say camels have long eyelashes so that they can prevent sand getting in their eyes OR Cacti have spikes to prevent them being eaten by predators.

For 5-6 marks students have to say camels have long eyelashes so that they can prevent sand getting in their eyes AND cacti have spikes to prevent them being eaten by predators. It has to be a PLANT AND AN ANIMAL, it cannot be two adaptations for plants



Science



Potential topics for 6 mark questions have been identified through the courses

Some examples:

In Chemistry pupils might be asked to describe and explain how a chemical process works, or how the atmosphere has changed over time

In Physics the topics may be comparing electricity generating methods or the life cycle of stars.



Science



Command words

These are listed in the front of pupils' journals.

Pupils need to be aware of what each one is asking for them to do.



Science



What help is available:

- Exercise books with notes and checklists for revision purposes.
- A revision / practice book for each GCSE is available to purchase from the parent pay shop.
- This includes access to an e-book that can be accessed by pupils at home / downloaded onto a mobile device.



Science



More help:

Formal revision sessions are being planned one evening a week which ideally, all pupils should be attending.

Science teachers are also available via google classroom to answer any queries that pupils may have or if extra help is needed.



Science



Other sources:

Complete revision resources e.g. Mind maps, flash cards, etc. using the checklists they have been given throughout the course for guidance.

Revision resources, including practice questions and answers are to be found on via google classroom, these can be accessed from home as well as in school.

Educake. Pupils have all been given a log-on to use this on-line resource



Science



Resources on the web:

Concentrate on completion of any quizzes, using the available notes and explanations to help you with any uncertainties that may be encountered.

The important thing to recognise is that it isn't a particular question that pupils should be able to answer, but similar questions around the same topic.



Science



Resources on the web:

- BBC Bitesize – make sure looking at AQA Science resources
- Youtube channel “MyGCSE Science” – no need to purchase resources from the associated website
- GetRevising - free registration needed
- DocBrown – many resources, ensure relevant to AQA courses
- Primrose kitten – a youtube resource
- S-Cool - many resources, ensure relevant to AQA courses
- Royal Society of Chemistry & other professional societies



Science



Any questions?

If you would like any advice or have any questions you would prefer to ask directly please contact Miss Crosby or your child's Science teacher via the school office.