

Bramcote College

A member of The White Hills Park Trust

Workshop: Revising Science Applying knowledge to exam questions





Useful for revision ...

GCSE:

Youtube channels

- Mygcsescience
- Primrose Kitten
- Christopher Thornton
- Freesciencelessons

Learning platforms:

- Century.tech
- Seneca learning

A – LEVEL:

Youtube channels:

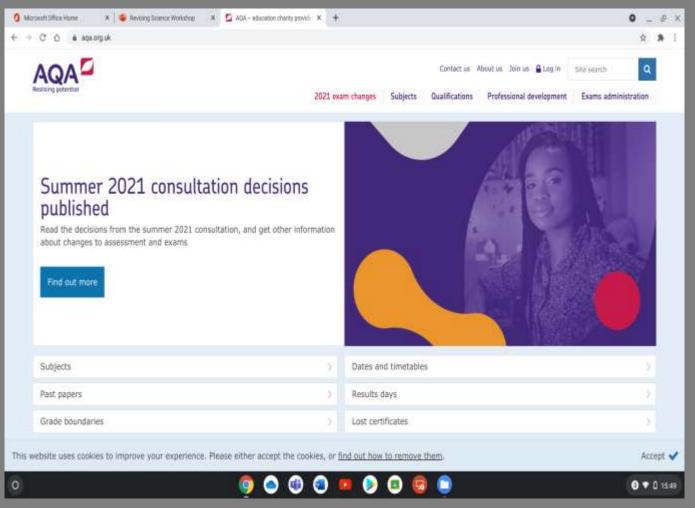
- SnapRevise
- Miss Estruch Biology
- Primrose Kitten

Learning platforms:

Seneca learning



The key to success



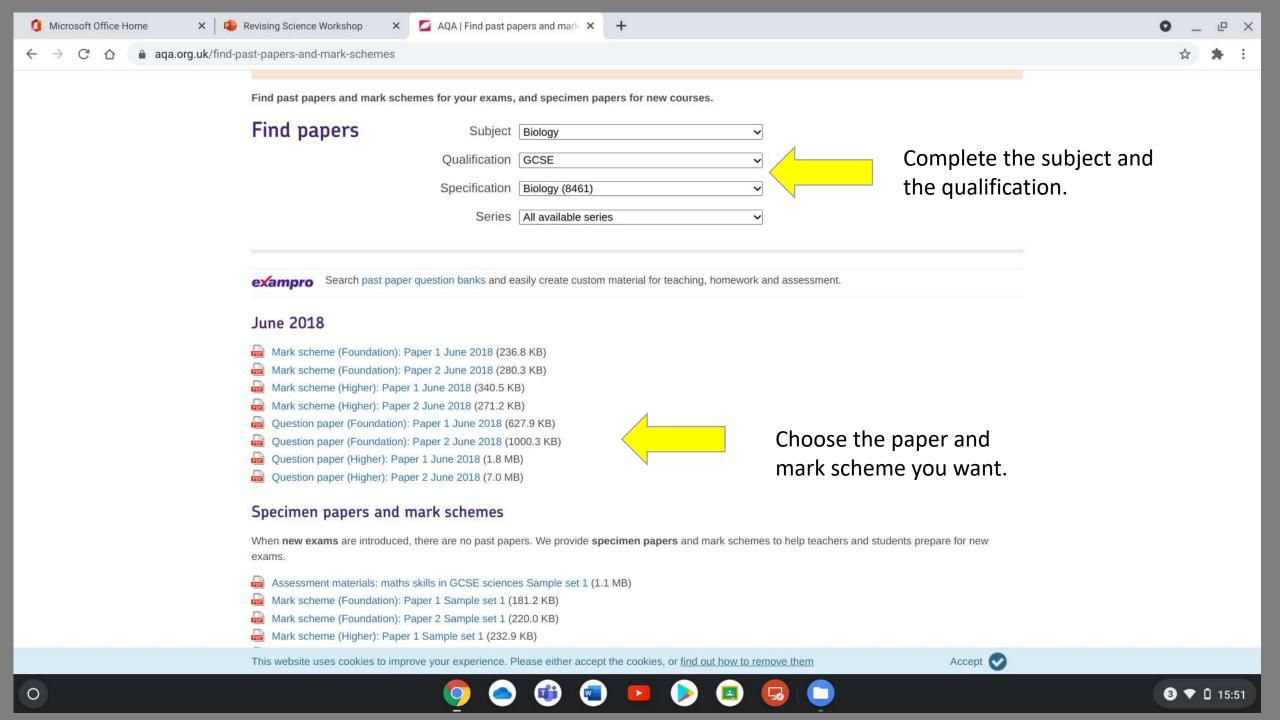
Past papers (and mark schemes) are essential for:

- Checking revision has worked
- Understanding what the examiners are looking for
- Getting the terminology right

How to access past papers:

www.aqa.org.uk

Choose the "Past papers" option





How to revise science...

Issues:

Lots of content Lots of processes Lots of methods



A useful technique:

- 1. Read the information
- 2. Highlight important sections
- 3. Create a list of key words from the highlighted sections
- 4. Use the list of keywords to try to recall the information
- 5. Turn the information into a series of pictures
- 6. Describe to someone else what the pictures represent
- 7. Turn the pictures back into text and compare to the original



Application of knowledge questions...

What is application of knowledge?

Applying your knowledge and understanding of scientific ideas, processes, techniques and procedures.

Why is it important to be able to tackle these questions?

40-45% of the total A-Level marks are allocated to these types of questions.

40% of the total GCSE marks are allocated to these types of questions



Why do students struggle with these questions?...

Unfamiliar Context – they see a question about something they haven't been taught....and panic!

or

They don't have the basic recall of facts to be able to answer the question.

How do we solve these problems...



Prepare...

How to make sure they can answer these questions:

SECURE SUBJECT KNOWLEDGE

How...

Active recall consolidation

....what does this mean?

Revise, revise, revise

Thorough revision of all of the basic facts

Practice, practice, practice

Do lots of practice application questions and note the common key phrases



Tackling the questions...

Step 1 – identify the topic or the practical that the unknown info links to.

Step 2 – recall the key words/phrases (this will only come from lots of active recall and practice questions).

Step 3 – Work out how to include those key words to fit the question.

Step 4 – Identify which information from the question to include in your answer (this links the key words/phrases to the context of the question)

