



How to plan and prepare for KS4 Science

In Science you are assessed on how much you **know** and how effectively you can **apply** and **evaluate this knowledge**. Effective **revision** is the key to doing well and achieving the highest possible grade.

These listed strategies are supported by educational research, and are designed to enable you to engage with activities which result in successful outcomes.

1



For each assessment you will be given a **topic list or link to the specification**. Use these to RAG assess what you do and don't know.

Make use of a revision guide to draw out key diagrams, create flash cards and reduce topics into the most important points.

The purpose is to be an initial tool for capturing what you do and don't know

4.1.1.1 Eukaryotes and prokaryotes	
Content	
Plant and animal cells (eukaryotic cells) have a cell membrane, cytoplasm and genetic material enclosed in a nucleus.	
Bacterial cells (prokaryotic cells) are much smaller in comparison. They have cytoplasm and a cell membrane surrounded by a cell wall. The genetic material is not enclosed in a nucleus. It is a single DNA loop and there may be one or more small rings of DNA called plasmids.	

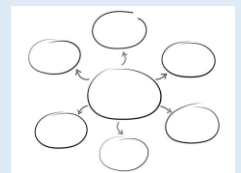
Your teacher will give you a topic list for you to **upload** your ideas

2



The next step is to focus on what you have rated red and amber. Use tools like Seneca, complete quizzes, make mind maps (from memory) and test yourself with flashcards. Focus on key definitions, ideas and diagrams. Test yourself on your knowledge until it is memorised.

The purpose of this stage of to get you to actively learn and memorise sections you haven't already.



Your teacher will give links to resources like Seneca to support you.

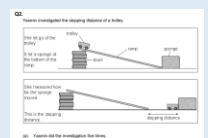
3



You now need to complete past paper question and mark them.

Use resources like end of topic tests on Seneca, questions set by your teacher, physicsandmathstutor.com and AQA.org.uk

The purpose of this stage is to allow you to practice exam questions.



Your teacher can help you find some past paper questions!