



Year 11 science revision advice



There are 6 exams for both the combined (Trilogy) and triple/separate science routes.

Combined science exams are each 1 hr 15 mins

Separate science exams are each 1 hr 45 mins

All exams are equally weighted. Combined science papers have 70 marks, separate science papers have 100 marks.

All papers have a mixture of multiple-choice questions, short answer structured questions and those that need an open response.

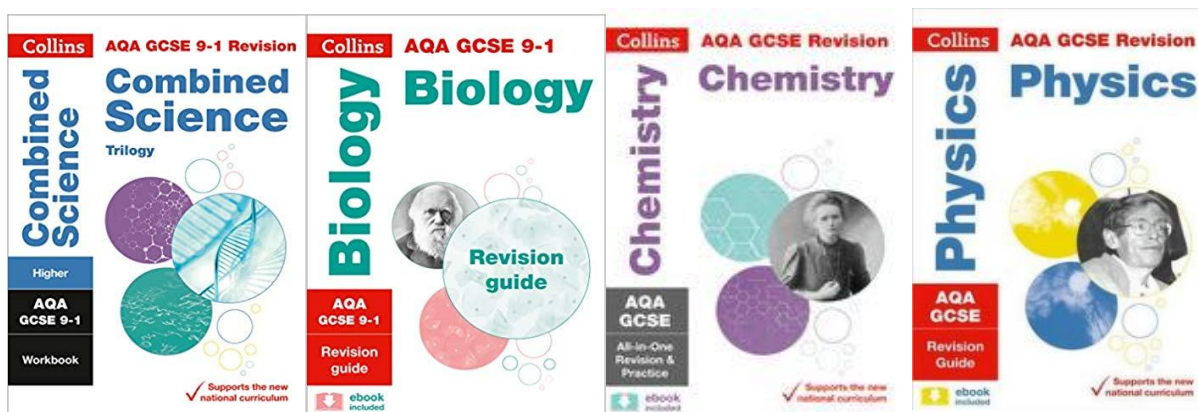
The exams will measure how students have achieved the following skills:

- Ability to **demonstrate** knowledge and understanding of scientific ideas, scientific techniques and procedures (40% of marks)
- Ability to **apply** knowledge and understanding of scientific ideas, scientific enquiry, techniques and procedures (40% of the marks)
- Ability to **analyse** information and ideas to interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures (20% of the marks)

Biology Modules	Paper 1: <ul style="list-style-type: none">• Cells• Organisation• Infection and Response• Bioenergetics	Paper2: <ul style="list-style-type: none">• Homeostasis and Response• Inheritance, variation and evolution• Ecology
Chemistry Modules	Paper 1: <ul style="list-style-type: none">• Atoms• Bonding• Quantitative Chemistry• Chemical Changes• Energy Changes	Paper 2: <ul style="list-style-type: none">• Rate and extent of chemical change• Organic Chemistry• Chemical Analysis• Chemistry of the atmosphere• Using resources
Physics modules:	Paper 1: <ul style="list-style-type: none">• Energy• Electricity• Particle model of matter• Atomic structure	Paper 2: <ul style="list-style-type: none">• Forces• Waves• Magnetism and electromagnetism• Space Physics (separate sciences only)

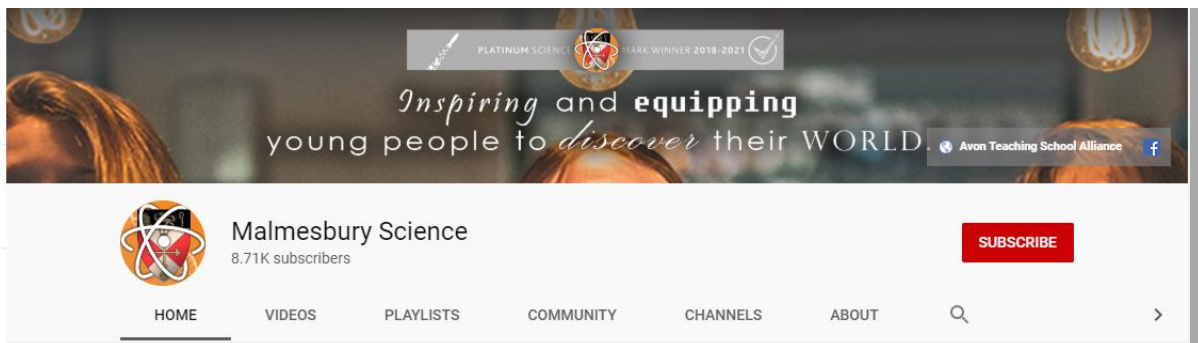
Revision Top Tips:

- Watch the video on You Tube Malmesbury Education 'How to revise':
<https://www.youtube.com/watch?v=huoAKJ3Hhsw>
- Start early!!
- Prepare a revision timetable using blank calendar pages. Suitable pages to download available to download at
<https://www.calendarlabs.com/2021-blank-calendar>
- Distribute and interleave your revision over several weeks/months prior to the exams
- Study each module from the table above and make revision summaries, flash cards and mind maps (or whatever works best for you). Your revision guide will be very useful here



- Good websites to help here:
 - **BBC bitesize** is excellent. You can make your own account and select your subjects and exam boards.
 - For **Combined Science**:
<https://www.bbc.co.uk/bitesize/examspecs/z8r997h>
 - For the separate sciences:
 - Biology**
<https://www.bbc.co.uk/bitesize/examspecs/zpgcbk7>
 - Chemistry**
<https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb>
 - Physics**
<https://www.bbc.co.uk/bitesize/examspecs/zsc9rdm>
- <https://getrevising.co.uk/> make an account to access revision resources and make your own
- You Tube Science Shorts for quick summaries of key ideas
<https://www.youtube.com/user/ScienceShorts>

- Don't forget the required practicals
<https://www.youtube.com/malmsburyeducation>
 This has videos for all the required practicals presented by Malmesbury Science Teachers. This makes up 15% of the exam content



But the most important part of your revision is PRACTICE!!!!!!

Think memory forest and clearing the paths (you need to watch the 'How to Revise' video to get this reference!)

Resources for practising questions:

- **Seneca** <https://senecalearning.com/en-GB/> gives you lots of practice and recall of key scientific facts
 You will need to set up your own account but your teacher might invite you join their class and set you work specifically. Otherwise you can select your own courses and revise the bits you want to focus on.
- <https://www.physicsandmathstutor.com/> allows you access to past papers and mark schemes so you can tackle whole exam papers when you are feeling more confident
- You can also get access to past papers from the AQA website

Combined science

<https://www.aqa.org.uk/subjects/science/gcse/combined-science-trilogy-8464/assessment-resources>

Biology

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

Chemistry

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

Physics

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