

**Preparing for your  
Science exams**



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## **GCSE Science Exams 2024**

<b>B1</b>	<b>Friday 10<sup>th</sup> May</b>	<b>am</b>
<b>C1</b>	<b>Friday 17<sup>th</sup> May</b>	<b>am</b>
<b>P1</b>	<b>Wednesday 22<sup>nd</sup> May</b>	<b>am</b>
<b>B2</b>	<b>Friday 7<sup>th</sup> June</b>	<b>pm</b>
<b>C2</b>	<b>Tuesday 11<sup>th</sup> June</b>	<b>am</b>
<b>P2</b>	<b>Friday 14<sup>th</sup> June</b>	<b>pm</b>



# Why revise Science?

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- To **RECALL**

- Science still requires students to remember a lot of “**facts**”
- The more they revise the better they can hold these in their long-term memory

- To **UNDERSTAND**

- Helps to make sense of things and see how they fit together
- Helps to answer questions set in different **contexts**

- To **EXPLAIN**

- Higher level questions ask “why” and “how”

- To **TROUBLESHOOT**

- Helps to identify things which aren't fully understood
- Helps to spot problems with exam technique



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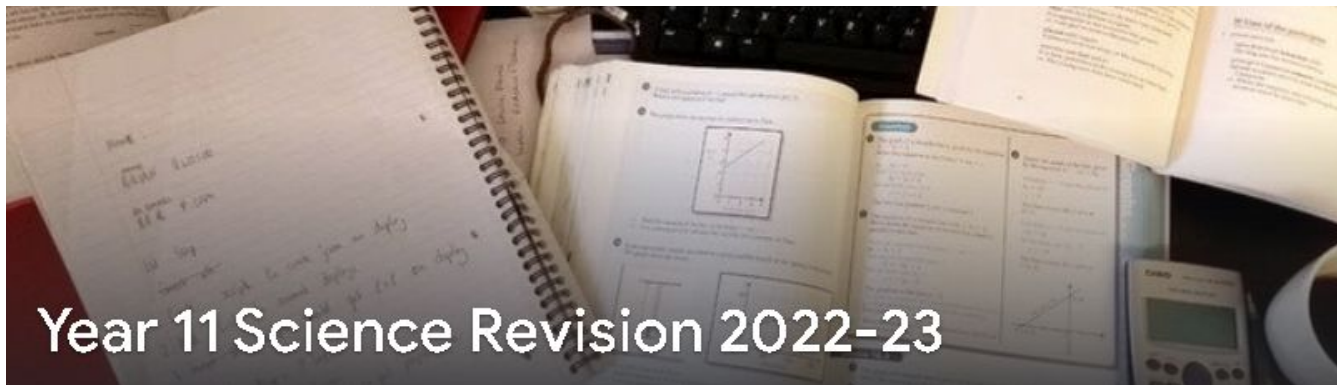
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# Things to help with revision...

## 1. Science revision google classroom

<https://classroom.google.com/c/MTY3NjU1Njg1MzY1>



Year 11 Science Revision 2022-23

Class code: ytehrif



## 2. The specification and past papers

- These can be found on the AQA website: [Subjects | Science | GCSE](#)
- Triple students study Biology (8461), Chemistry (8462) and Physics (8463)
- Non-triple students study the curiously named Combined Science *Trilogy* (8464)

## 3. BBC Bitesize <http://www.bbc.co.uk/schools/gcsebitesize/science/aqa/>

## 4. Exercise books

Full of information, practice questions, explanations, etc...



## 5. Revision guides and workbooks

We sell these through ParentPay

£17.10 for triple,

£11.20 for non-triple



## 6. Revision schedules

These are a series of Google docs produced by the science department to help students to structure their revision.

They are on the science revision Google classroom

### Session 17 - C4

Reactions of acids/making salts

1. Using BBC Bitesize

(<https://www.bbc.co.uk/education/guides/zptrd2p/revision/1>), make notes on naming salts and practice naming the salts made when the following are reacted together:

- magnesium and hydrochloric acid
- zinc oxide and sulphuric acid
- sodium hydroxide and hydrochloric acid
- copper oxide and sulphuric acid
- calcium carbonate and nitric acid
- potassium oxide and nitric acid
- zinc and phosphoric acid
- aluminium oxide and sulphuric acid
- cobalt carbonate and nitric acid

2. Make a poster which clearly states the 4 equations by which salts can be made (use revision guide to help).

3. Watch mygcsescience - AQA 9-1 Chemistry: "Making salts" and make notes on the **method** by which soluble salts can be made. (This is one of the required practicals - preparation of a pure, dry sample of a soluble salt from an insoluble oxide or carbonate)

<https://www.youtube.com/watch?v=KSK-R8q3VPg&list=PLsorq7UsrfYsFLSgTetRVjzN6QYvf3jpC&index=11>

4. Complete the questions "Acids, Bases and Salts" in the "C2 End of Topic Questions" in the "C2 Resources" section of the VLE. Mark and annotate any incorrect answers.

### Session 18 - C4

Electrolysis of molten ionic compounds

1. Using your revision guide, make a poster about the electrolysis of MOLTEN ionic compounds. You need to cover:

- Definition of electrolysis
- Why the compound must be ionic
- Why the compound must be molten (or aqueous) and not solid
- A diagram of the set up using the keywords electrolyte, cathode and anode and how to remember the names of the electrodes (PANIC)
- HIGHER TIER ONLY - Examples of half equations and definitions of oxidation and reduction

2. Complete the corresponding page in your workbook and use the revision guide to check your answers.

3. Complete the Kerboodle interactive activities "C6.1 Electrolysis", "C6.1 Literacy: Electrolysis and "C6.3 Extraction of Aluminium".



## 7. Revision videos

- There are some very good revision videos available.
- Our favourites are by “[Free science lessons](#)” but “[myGCSEscience](#)” and “[Primrose kitten](#)” are also good
- We’ve linked lots through the science revision google classroom
- Alternatively, type a topic followed by “GCSE” or the video provider into google (e.g. “energy stores GCSE” or “energy stores free science lessons”)
- They all have their own websites and Facebook pages but most can be viewed through YouTube as well
- Some resources are free, but others cost so be warned!



## **8. Tassomai**

- Gradually builds students' factual recall and avoids stressful cramming
- Access costs around £20 for the year for science (plus some other subjects)
- It provides thousands of multiple choice questions which, little-by-little, build students' knowledge
- Every day students have a "daily goal" and it should be their aim to complete this 5 times each week at the very least
- Every year Stokesley students answer close to 1 million questions on Tassomai and we are certain it contributes to our success
- Parents can help by helping students to get into a routine so that they remember to do Tassomai every day





# How to revise - 1

**DO SOMETHING and  
DO IT NOW!**

Start by make a study plan to get into a routine

Then get revising!

Try a variety of ways to keep it varied and interesting.

Some things will work better for recall, others work better for understanding.



# How to revise - 2

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**All the things outlined in the general revision session will work for science revision but remember...**

- Just reading doesn't work, students must make revision notes, flash cards, mind maps, etc...to learn the information
- **If they've been in their room revising for an hour they should have something to show you**
- Use Tassomai regularly (daily if possible)
- Once this is done, they should ask their teachers for exam questions and mark schemes. This helps them to understand how to answer the questions and see whether their revision has been in enough detail



## Further support in Science

- We will offer a wide variety, spread across the first two terms, some for specific groups, some open to all:
  - Tutor time intervention on study skills and exam technique
  - Revision sessions and drop-in clinics every Tuesday lunchtime
  - Exam skills revision work in lessons
  - Intensive (25 minute) “HIIT” revision sessions in lesson time



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Encourage students to contact us or  
come and see us to ask for help  
*whenever* they get stuck

Students are the best judges of what they need help with,  
the challenge is getting them to realise that, and then  
getting them to do something about it



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# Thank You.

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