

Aga Khan Education Board for the United Kingdom | akeb@iiuk.org Every Step, together

LIFE-LONG LEARNING

# AKEB | Revision tips

2021

EARLY YEARS | PRIMARY | SECONDARY | TERTIARY

# **Start revising early**

This means months, not days before the exam. Make a timetable to plan your revision and stick to it.

REVISION TIMETABLE							
WEEK	Subject	Dubject	Subject	Subject	Subject	Subject	TOTAL
Monday	Topic (1 how)				Topic (1 how)		2 hours
Tuesday		Topic (1 how)	Topic (1 hour)			Topic (1 how)	3 hours
Wedneoday				Topic (1 hour)	Topic (1 hour)		2 hours
Thursday		Topic (1 hour)				Topic (1 how)	2 hours
Friday			Topic (1 hour)				1 hour
Saturday			Topic (1 hour)			Topic (1 hour)	2 hours
Sunday		Topio (1 hour)		Topio (1 hour)			2 hours
TOTAL	thee	3 hours	3 hours	2 hours	2 hours	3 hours	14 hours



#### Don't be tempted to cram

Revise continually. Don't leave it a few weeks before an exam. Go through the work you're learning as you learn it. Go home from school and make flash cards, posters and so on. That way, when you come to the exam period, you already know most of it and it's just brushing up on final details. Try not to frantically cram for an exam, it is not as productive.





# **Plan realistically**

There are limits to how much work you can effectively do in a day, in order to be able to balance leisure and revision and be as productive as possible.



- Paul Minors



# Set reasonable study targets that you know you can reach

Going over twelve chapters of trigonometry the night before a big exam is probably going to do more harm than good. Likewise, trying to revise all that Shakespeare several days before being tested might not be the best way to remember the information by test-time. Organize in the most effective way to remember the most important information you've got to study.





# Make it more manageable

Break down your subject into ordered sections. Breaking down the exam into lots of little sections makes revision less daunting, and you'll know exactly where you stand in terms of how much you've done.





# Don't turn yourself into a revision zombie!

If you only revise and do nothing else, you will turn into a zombie! It's really important that you keep time to do things you enjoy... like cinema, shopping, sports, frisbee, rockclimbing, making model planes, nosepicking, whatever tickles your ferret... When you're doing these things try to relax and totally forget about revision.





# **Plan for breaks**

Remember you need regular breaks or else you could become worn out, which will affect your productivity. Ideally, plan a short (5-10 minutes) break every 1.5 to 2 hours, with longer breaks for meal times. When setting a revision timetable, remember to also reward yourself with break days or "cheat" days.





#### Find the right environment to revise

**NOT** in front of the TV. **NOT** listening to the radio. Music can sometimes be OK, but you need to find the right kind. It's got to be something that's just there in the background that you're not thinking about at all. Music without singing is better as you won't be tempted to dance around your bedroom like a big fool.





#### On study leave, start revising early

A good time is 9 am because you will get your work done much quicker and will have time to relax in the evening.





# Don't put it off!

Another word for this is **procrastination**! And it means rearranging stuff on your desk, playing the guitar, thinking about the weekend, painting your toenails, etc... Just sit down at your desk and **GET ON WITH IT.** 





## Ask the teacher

If you are missing any class notes, revision booklets or homework, make sure you ask your subject teacher. Teachers are likely to appreciate that you care about your revision by asking rather than missing out on some material important to the understanding of the subject.





# Don't just read your work

If you just read your work, you will only take in about 5% of what you are reading! You need to **do something** with your notes in order for them to make any difference.





# Variety is the Spice of Life!

Mix up your study habits and methods by listening to podcasts, watching videos or documentaries, moving to a new study area or even something as simple as using different colours for your study notes.





#### Think twice about using highlighters

Despite being the favourite weapon of many students tackling revision, research suggests they don't work very well. People learn and recall information better if they connect it to other pieces of information. Highlighters don't do this, they isolate single pieces of information. Quite often, students end up highlighting whole chunks and passages of text, which can give the appearance of having worked hard, but is of little value.





#### Don't spend time making work look pretty... Chemistry Calculations

This is just wasting time. For diagrams, include all the details you need to learn, but don't try to produce a work of art. Limit yourself to 2 or 3 colours so you don't get carried away colouring things in.

Revision	understand			
INCOMPOSITION 1	The mass of compounds			
The mass of atoms	Relative formula mass can be found by adding up the relative atomic masses of each element in a compound. E.g. Carbon Dioxide (CO <sub>2</sub> ) • Carbon has a relative atomic mass of 12 • Oxygen has a relative atomic mass of 16 • The relative formula mass of Carbon Dioxide is therefore: 12 + (16 x 2) = 44			
	Percentage Mass			
Because saying 'relative formula (or atomic!) mass in grams' is a bit clumsy, we simply say 'moles' instead. This means that 1 mole of Carbon Dioxide is 44 grams, or 44g. To calculate how many moles of a substance there is divide the amount of it by the mass of 1 mole of the substance	elements and the relative formula mass (M <sub>2</sub> ) of compounds to find out the percentage composition of different elements. 1. Work out the formula mass of the compound 2. Convert this into grams 3. Work out the percentage by using this equation: <u>Mass of element</u> × 100% Total mass of compound			
	Yield			
1. NaOH 23 + 16 + 1 = 40g is one mole of NaOH 2. We have 100g in our reaction so <u>100</u> = <u>2.5 moles</u> 40	Rather than talk about the yield of a chemical reaction in terms of mass (grams, tonnes etc.) we can talk about the percentage yield. This gives us an idea of the amount of product that the reaction really makes, compared to what it could possibly make under perfect conditions.			
Empirical Formula	1. Work out the maximum mass of a product that			
<ol> <li>Divide the mass of each element by its relative atomic mass to find out the number of moles reacted</li> <li>Create a ratio and simplify if necessary</li> <li>Write a formula based on the ratio</li> </ol>	could be made using it's chemical formula 2. Divide the actual mass of the product made by it's maximum mass 3. Multiply by 100			



## **Collaborate with Classmates**

If you find your coursework to be too much, why not divide the revision notes between trustworthy classmates and share your notes with each other. This will reduce the amount of workload you need to do to prepare for your GCSEs plus you will gain an insight into how other students learn.





## Make summary notes

In order to help you digest what you read, a good study technique is to make summary notes as you go. You don't want to end up re-writing all your existing notes from class, but picking out the most important points or highlighting them with a pen can help you remember important facts and figures.





# **Create visual reminders**

Much like summary notes, visual reminders of important formulas, facts, figures and quotes can help you memorize essential information without having to actively study them. Try writing important information down on post-it notes and sticking them around your study area. Every time you sit down to study, you'll subconsciously absorb the information.





## Flashcards

Start by writing out individual cards covering specific revision topics, with the title on one side and key bullet points on the reverse. Once done, you can follow the 'look, cover, check' method. Eventually you will become more confident and you can practice writing out everything you remember from each card, checking back afterwards to see how accurate the information written down is. This technique is a great way for your child to be able to retain lots of key facts almost instantly.





# **Colour-Coded Post It Notes**

Create colour-coded sticky notes with important snippets of information written on for each subject. Not only is this an easy-peasy revision technique, but it's also super effective if you have quotes, statistics and dates that need to be remembered for your exams. Sticking them around your bedroom is also a great idea. Make sure you use one colour **per subject** so it's easy to differentiate between the subjects.





#### **Use Mind Maps to Connect Ideas**

If you find it difficult to remember tons of new study notes, **Mind Maps** may be the key to improving your memory. The theory behind mind mapping explains that making associations by connecting ideas helps you to memorize information easier and quicker.





## **Mnemonic Devices**

A mnemonic device is a method of memorizing something difficult by associating it with something easy to remember. For instance, you have probably at some point used the phrase 'Richard of York Gained Battle in Vain' to recall the order of the colours of the Rainbow.





## **Recall & Summarize**

As you're studying, stop every few minutes recap what you've read. Write a short summary-a few sentences--in your notes, or at the bottom of the page. Use your own words. A good way of recalling is writing your notes down from memory then going back over them and filling in the gaps with another color of pencil or pen. You'll know the different color refers to information you might have trouble with.



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# The Day of Your GCSE Exam

The day of your exam can be the most stressful of the entire examination experience. Some tips for reducing anxiety include;

- Avoiding panicked friends.
- Giving yourself plenty of time to get to the exam centre.
- Eating a healthy breakfast.



