

The Science of Revision- No magic wand!

What will we cover in this session?

- ✓ How to make revision successful
- ✓ The 4 stages of revision
- ✓ Ways to revise which are effective



HOW TO REVISE

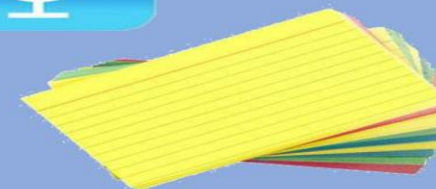
ORGANISE

1. Look at an **OVERVIEW** of the topic – work out what you need to revise.
2. Make a **CHECKLIST** - so you don't miss stuff and can see your progress.
3. Make a **REVISION TIMETABLE** – to get in a routine and avoid cramming.



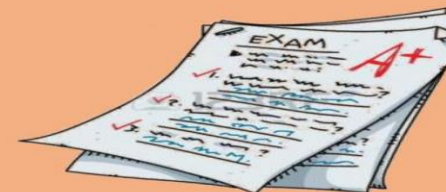
LEARN

1. **SUMMARISE** the learning – using things like flashcards, voice recordings, notes and mind-maps.
2. **TEST YOURSELF** and be tested – use study buddies or parents and carers.
3. **TEACH IT** to others – If you can't explain it, you don't know it!



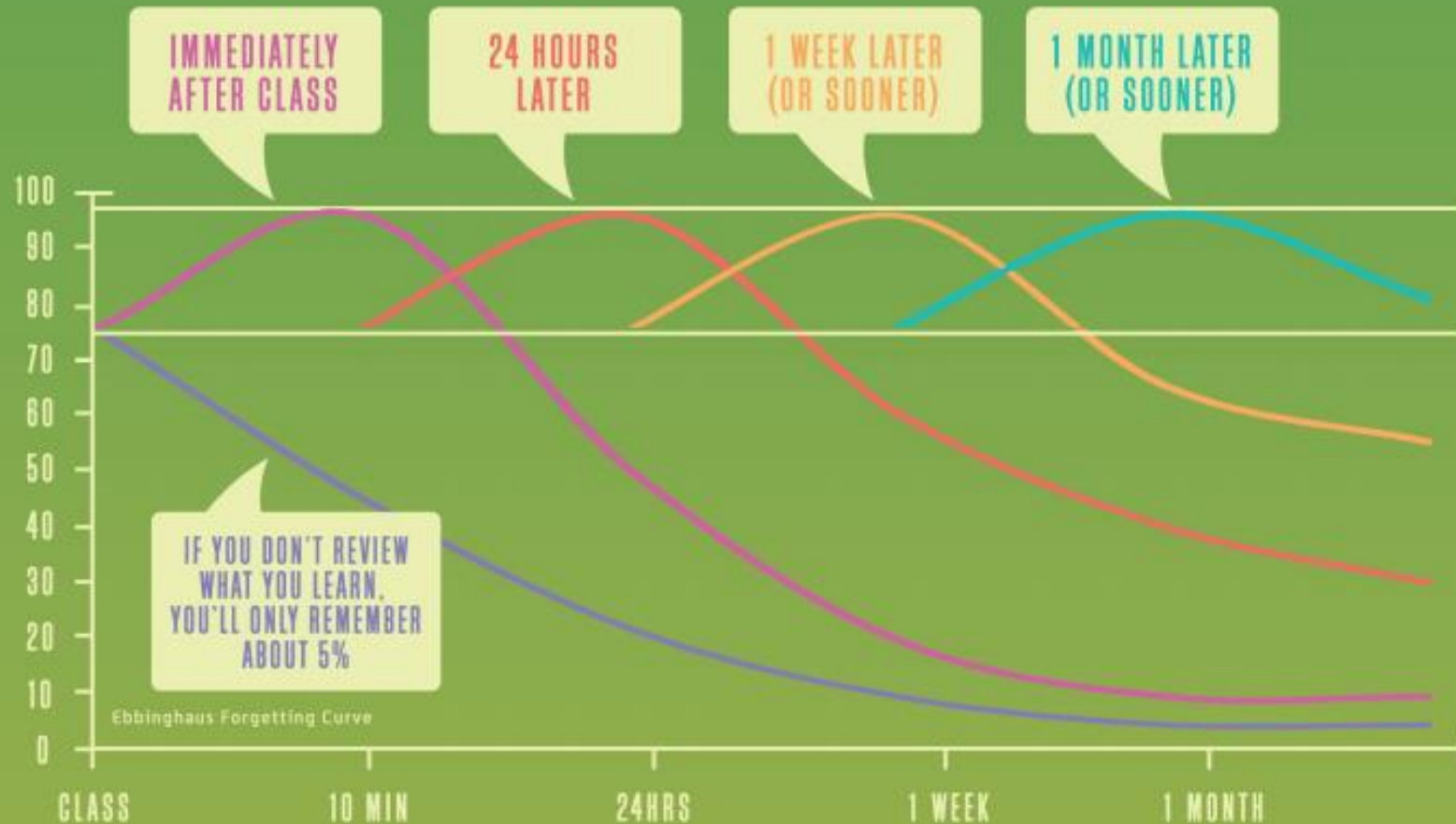
PRACTISE!

1. Do **PAST EXAM QUESTIONS** – mark using markschemes and then improve them.
2. **CREATE QUESTIONS** – on topics that haven't been tested yet and make a markscheme.



YOU'LL FORGET THIS IN 24 HOURS!

Did you know that you forget 80% of what you learn in the first 24 hours?
This is why cramming for exams doesn't work!

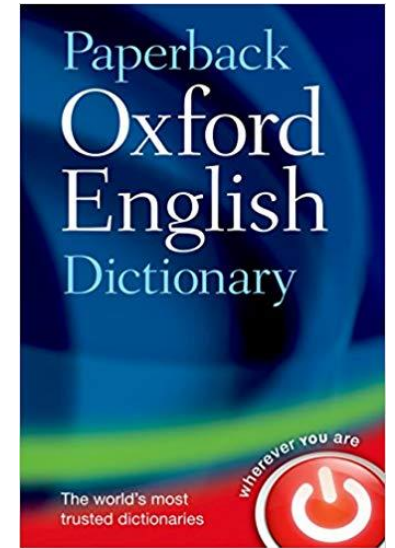


It is proven that by reviewing what you've learnt at regular intervals, you can reduce how much you forget to just 10%.

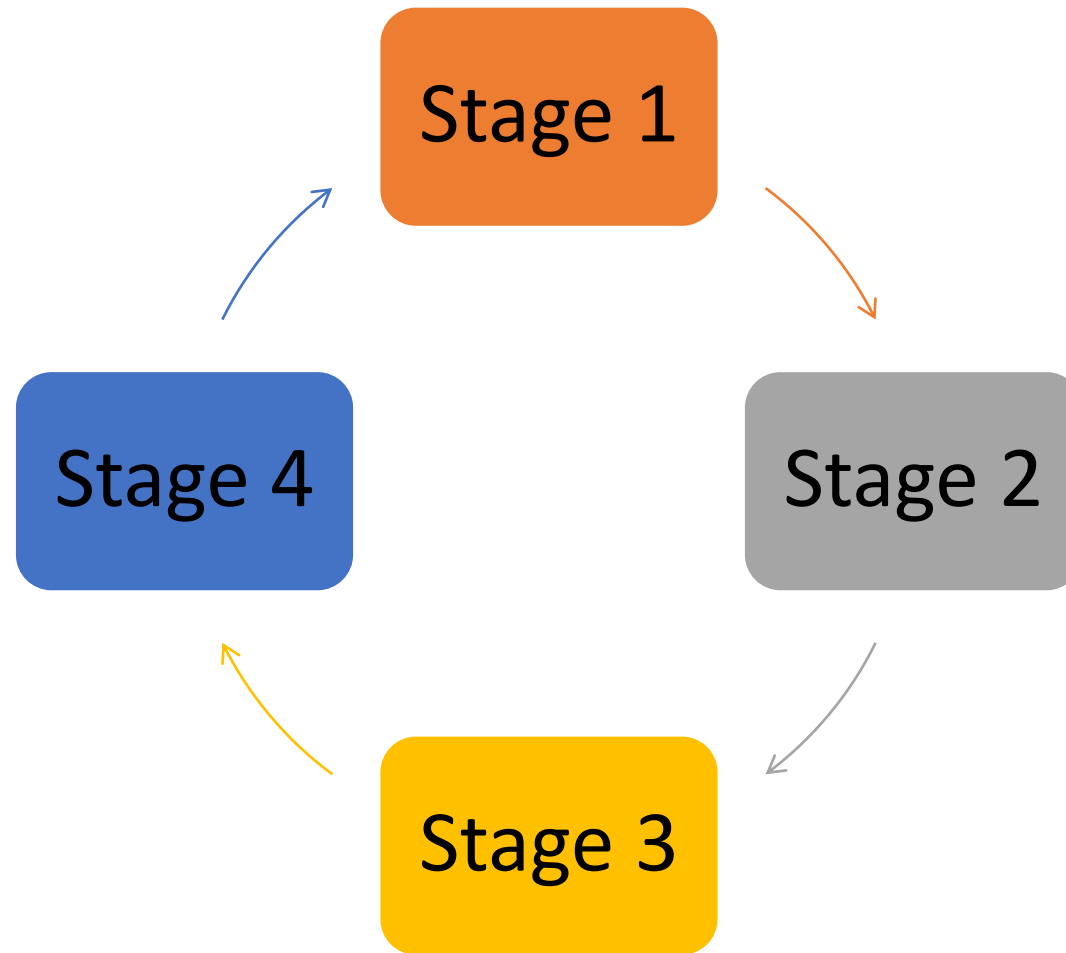
Review your work 4 times within a month and you'll remember nearly 100%

Revision- verb

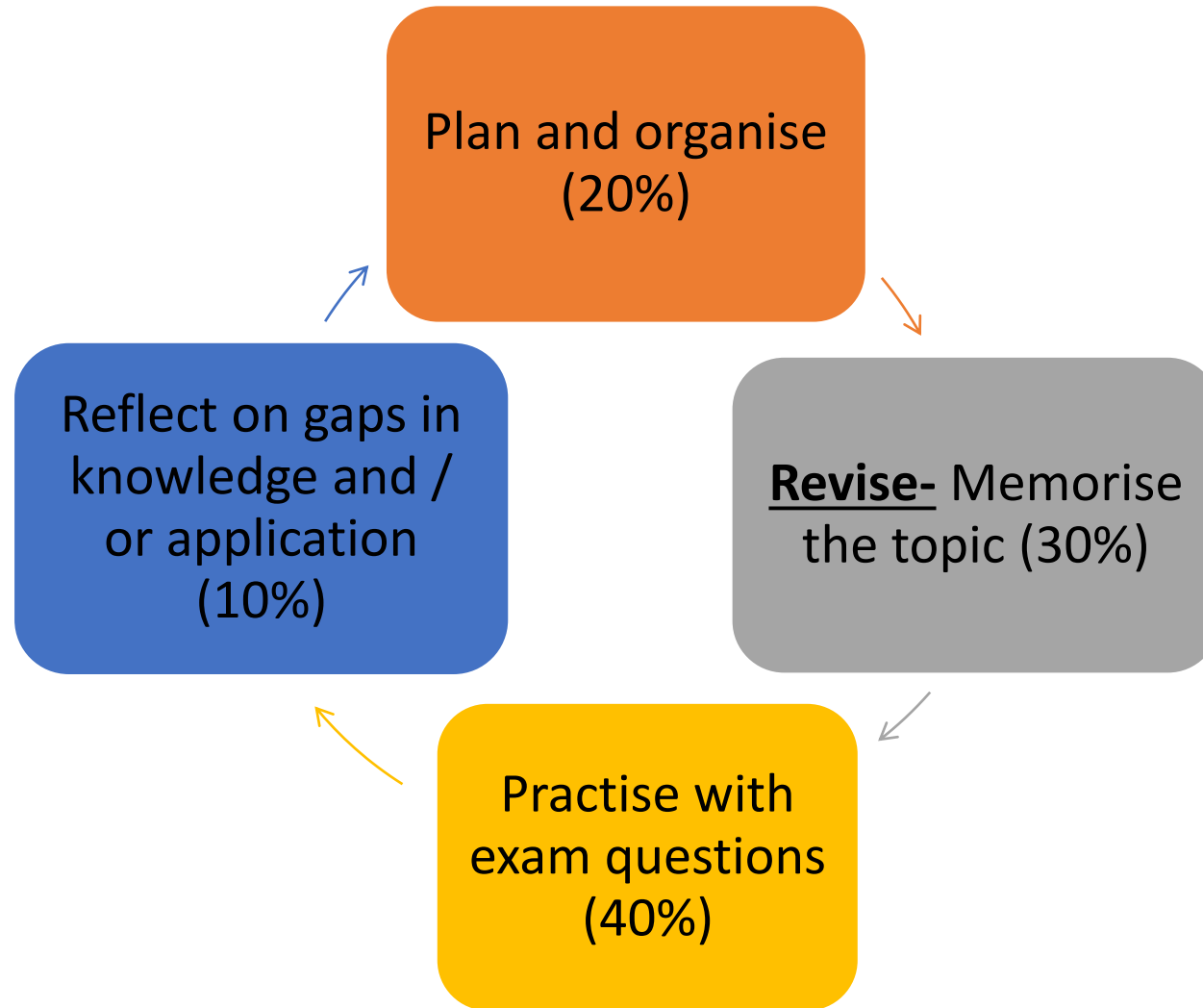
- *‘The act of eating, texting and listening to music and/or watching videos on YouTube whilst being in a room with an open textbook roughly nearby.’*



The 4 Stages of Revision



The 4 Stages of Revision



Stage 1

Organisation

Revision Timetable								Date _____
	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday	To do
8:55-9:25	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time			.
9:25-10:25	LESSON	LESSON	LESSON	LESSON	LESSON			.
10:25-11:25	LESSON	LESSON	LESSON	LESSON	LESSON			.
11:25-11:45	BREAK	BREAK	BREAK	BREAK	BREAK			.
11:45-12:45	LESSON	LESSON	LESSON	LESSON	LESSON			.
12:45-1:30	LUNCH	LUNCH	LUNCH	LUNCH	LUNCH			.
1:30-2:30	LESSON	LESSON	LESSON	LESSON	LESSON			.
2:30-3:30	LESSON	LESSON	LESSON	LESSON	LESSON			.
3:30-4:45								.
4:45-5:15								.
5:15-5:45								.
5:45-6:15								.
6:15-6:45								.
6:45-7:15								.
7:15-8:45								.
8:45-10:00								.

Subjects covered this week

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- Gather books, notes revision guides into individual piles
-
- Plan a schedule using exam timetable
- Map out what you plan on doing and ensure this becomes part of your daily routine.
- Gradually and steadily increase the amount you do each day at home to a manageable level.

Revision Timetable

Date _____

	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
8:55-9:25	Tutor Time	Tutor Time	Tutor Time	Tutor Time	Tutor Time		
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11:25-11:45	BREAK	BREAK	BREAK	BREAK	BREAK		
11:45-12:45	LESSON	LESSON	LESSON	LESSON	LESSON		
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8:45-10:00							

To do

Subjects covered this week

Timetabling your revision

A solid revision timetable not only guarantees you cover everything you need to in time for the assessments, but it also breaks everything down into more manageable chunks – much less scary!

Once you start getting everything out on paper or screen, you'll have a proper idea of the task ahead. The ideal revision timetable will be prepared enough in advance that you have a bit of balance and don't burn yourself out.



Golden rules of planning a timetable

1. Think of it as a **study calendar**
2. Be **realistic**
3. **Prioritise**
4. Refresh, Refresh, Refresh
5. Be **flexible**
6. Add in **breaks** and **rest days**
7. **Check it** every day
8. **Colour code** to your hearts content
9. Make it **public**
10. Make it for **you**



Stage 1- Summary

- Planning and revision will be crucial to ensure you're prepared for the internal assessment period.
- Your assessments are spread out over 8 weeks which makes planning a study timetable much easier.
- Preparing a revision timetable will help you be more prepared, focused and ultimately less stressed about the internal assessments.
- You can prepare a weekly, short-term plan every week or use my long term calendar.
- Ask for help with this if you need it. Remember, we're always here to support you with this. Please ask for any help.

Stage 2

Memorise - Commit what you have learned to memory
(accept that the first time you revisit it that you will not remember everything!)

Use a technique that works for you:

- Mind-maps
- Testing
- Conversation
- Re-writing
- Cornell Notes
- Post-its
- GCSEPod
- Seneca
- Group work / Pair work
- Revisit knowledge

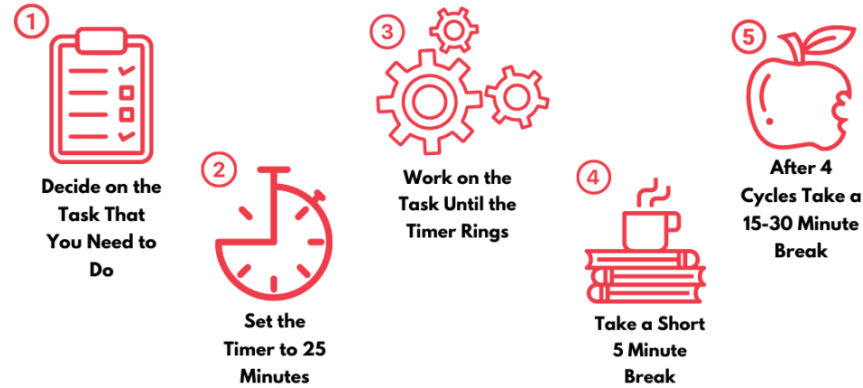


Learning/Revision Techniques

Map It Create a mind map of the key points. 	Journey It Remember lists of information by placing images on a journey. 	Index It Transfer the key points to index cards.
Story It Create a weird and vivid story using the key points. 	Mnemonic It Use the first letter of key words to create a sentence. A well known example: Never Eat Shredded Wheat 	Click It Create a presentation about the key points.
Flip It Write questions and answers and flip it anywhere. 	Timeline It Place key points along a line in date order. 	Sing It Set key points to some familiar music/rap.
Record It Use your mobile to record yourself explaining the key points and play it back regularly. 	Post It Write key words on to Post Its and stick them around your room. 	Comic It Create your own comic strip using the key points.

Stage 2

THE **POMODORO** TECHNIQUE



This is crucial to GCSE success but will only work if stage 1 is done well

- Short sharp bursts- Pomodoro Method- 25 min sessions
- Must be precise
- Testing from others will help
- Investigate apps (lots of good free ones out there)

How do you memorise information best?

Ways to Revise

Past Paper
Questions

YouTube
Videos

Flash
Cards

Revision
Clock

Be the
Teacher

GCSEPod

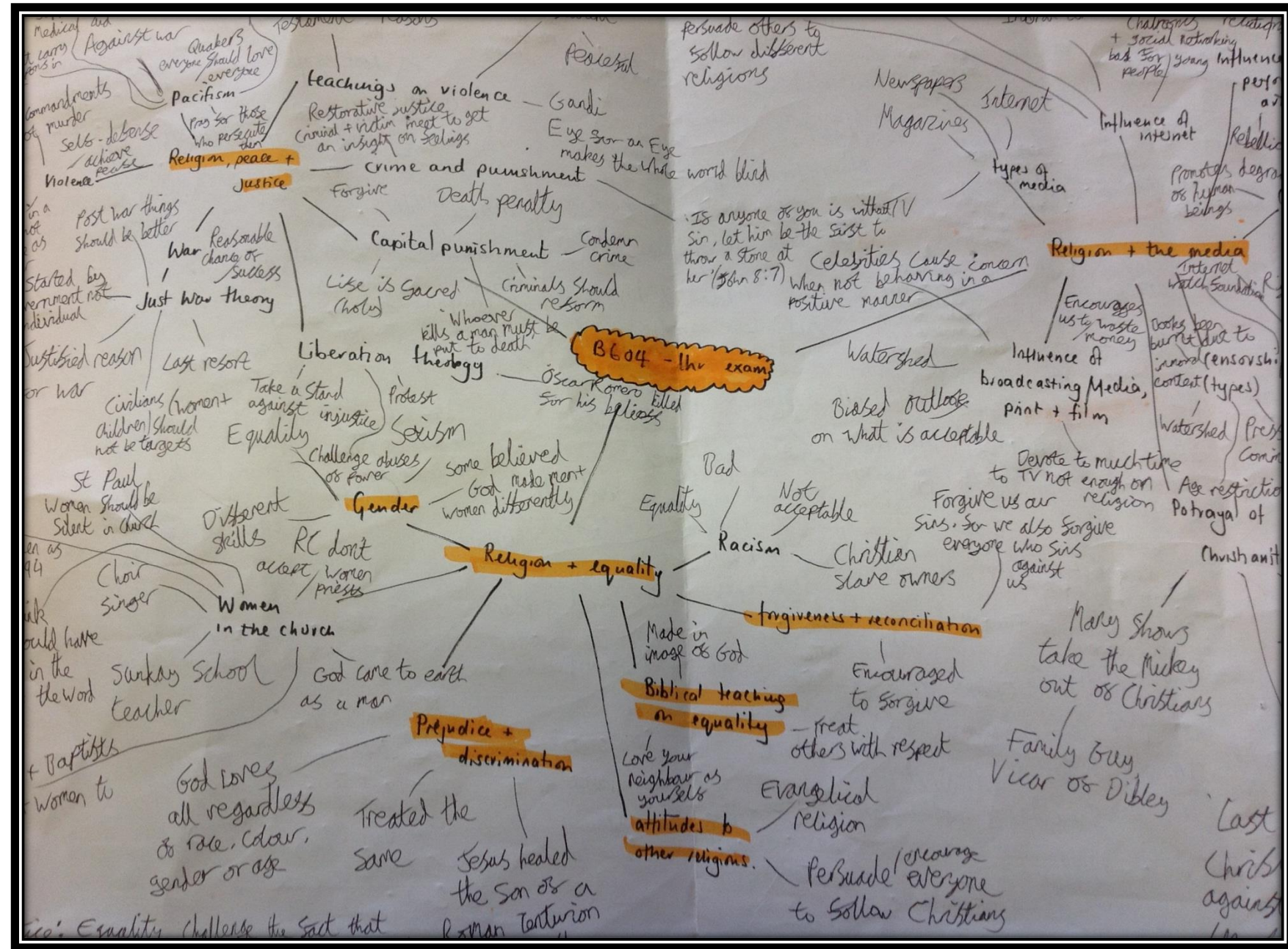
Seneca

Foldable
Revision

Spider
Diagrams

Is it by mind mapping?

- This is a good technique because...
- It keeps to one page.
- It can be bright and eye catching.
- It can use images to summarise huge amounts of knowledge



Post-it notes

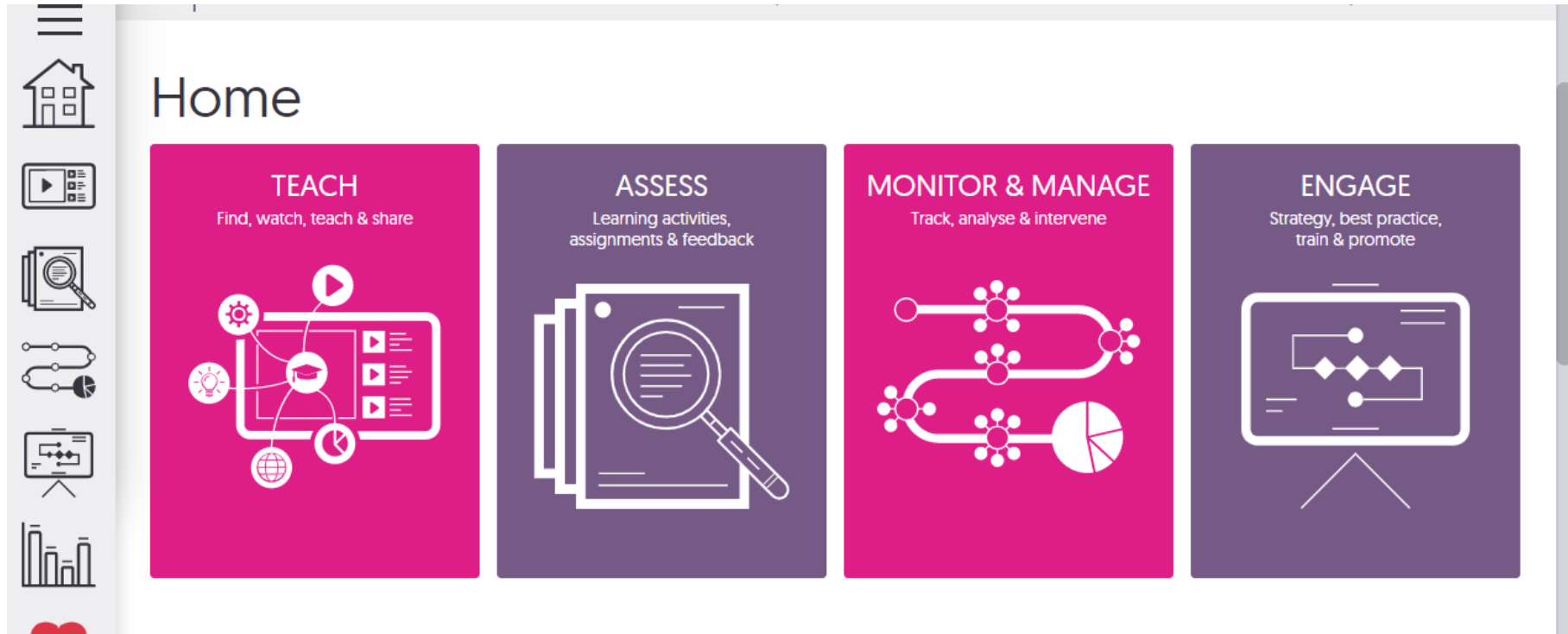
Put them on your bedroom wall, the fridge, the dashboard of the car!

This is a good technique because...

- Different coloured post-it notes for different subjects.
- Or different coloured post-it notes for different topics within a subject.

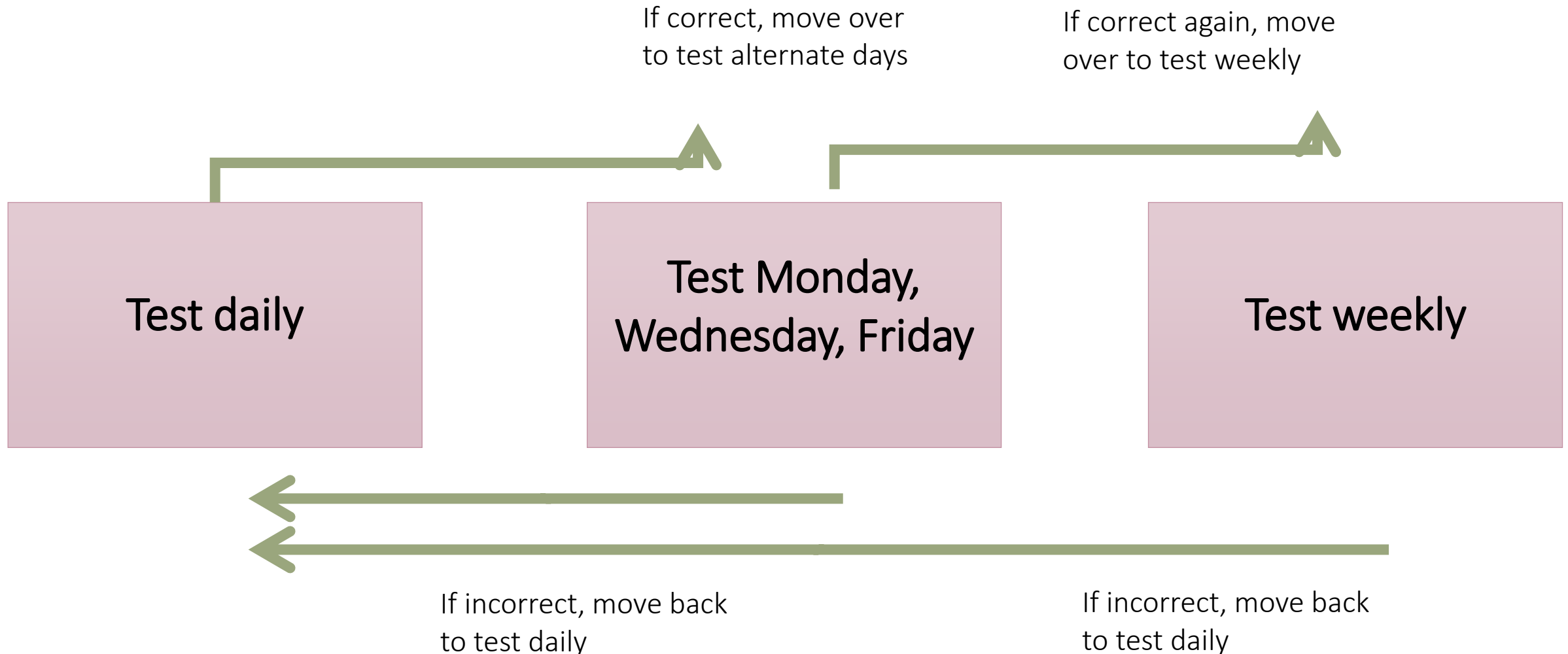


GCSEPOD- it does work!



Flashcards

Flashcards are very simple as they are just cards with a question on one side and answer on the other that you can use to self-quiz or quiz with a partner. However, I am going to tell you a very specific method for using these. This one is called The Leitner Method:



Making it work

Student Action

1. Use a technique that works for you, try different ones!
2. Testing from others will help
3. Short, regular bursts, max 45mins per subject

Family Support

1. Chat about which techniques are being used and why they are more/less effective
2. Be the quiz master (they can give you the answers first!)
3. Encourage regular drinking, eating and activity and reward with small treats

Stage 3

Practice exam questions

Ask for help and papers from subject teacher

Look on exam board websites or school revision zone

Answer past paper questions

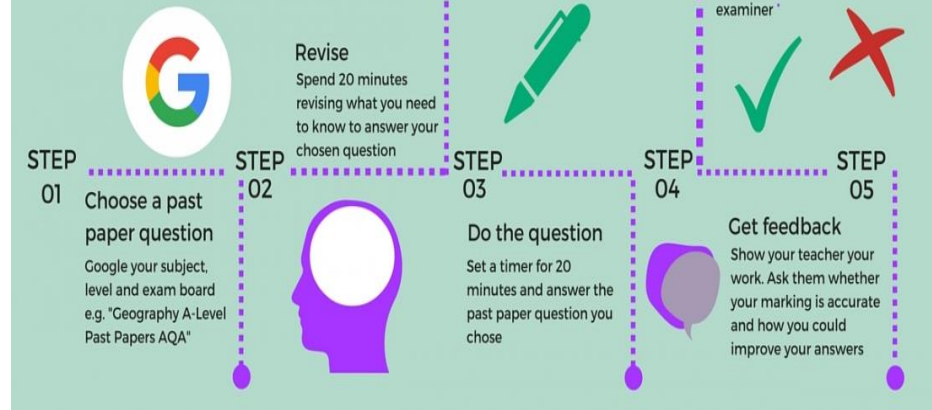
Set time limits

Try to set exam conditions

Slowly reduce aid memoires

Numbers z_1 and z_2 are given by
 $z_1 = 6 + 8i$
 $z_2 = 3 + pi$
where p is an integer.
(a) Find $\frac{z_2}{z_1}$, in the form $a + ib$, where a and b are real numbers.
Given that $\arg\left(\frac{z_2}{z_1}\right) = \frac{\pi}{4}$,
(b) find the value of p .

Revision ⌚ POWER HOUR



REVISION ZONE RESOURCES - GOOGLE DRIVE ►

Access past papers from the Revision Zone on the school website or directly from the exam board website or the main stand near reception.



Set yourself a timer and complete the paper in exam conditions (or ½ the paper).

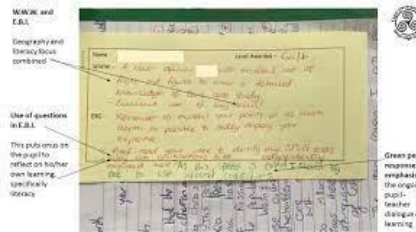
Past Paper Questions

R

A

G

When answering the questions RAG rate, the questions with a colour as you go through.

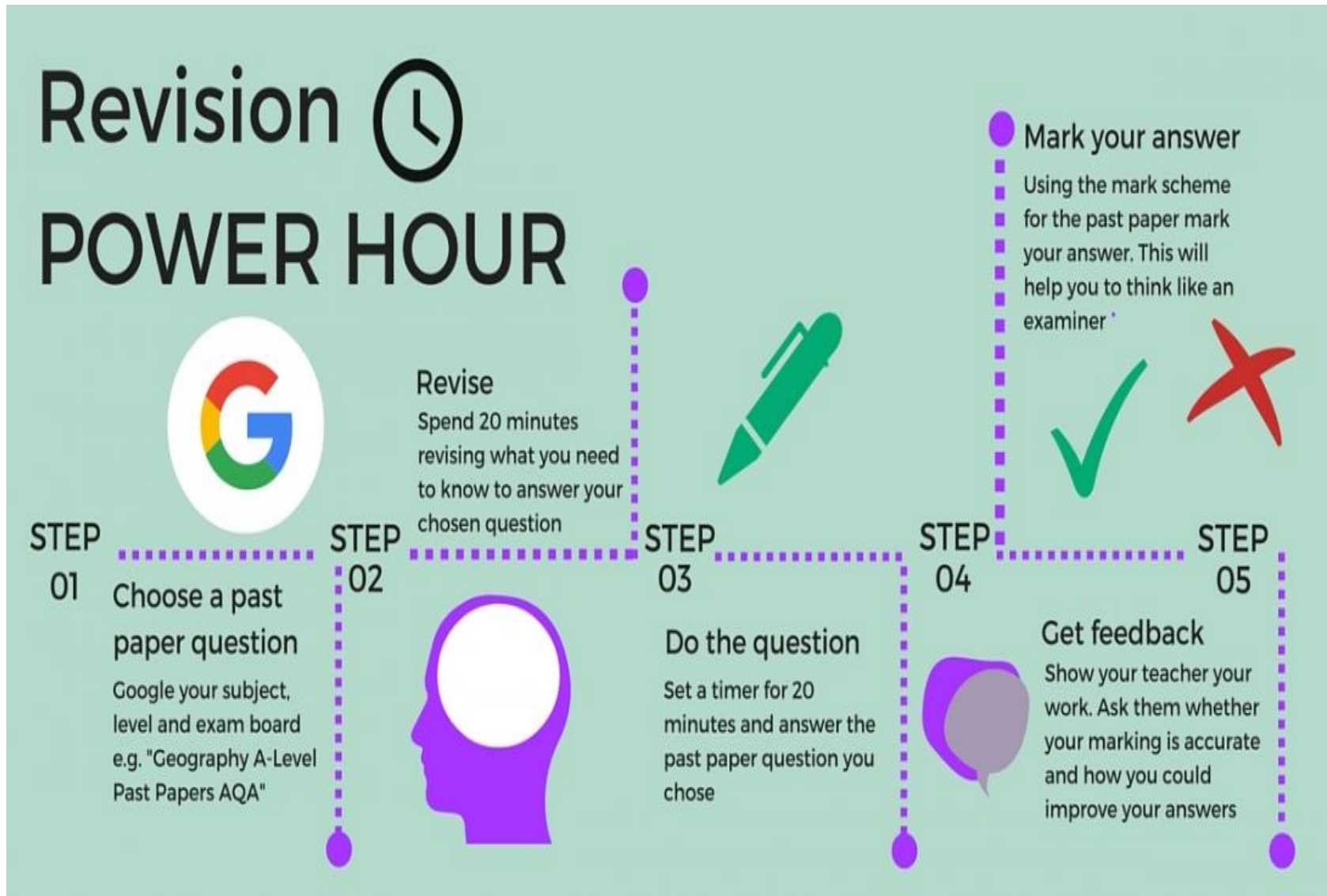


After the paper, mark your answers.



Pick a few questions you found difficult and focus your revision on these.


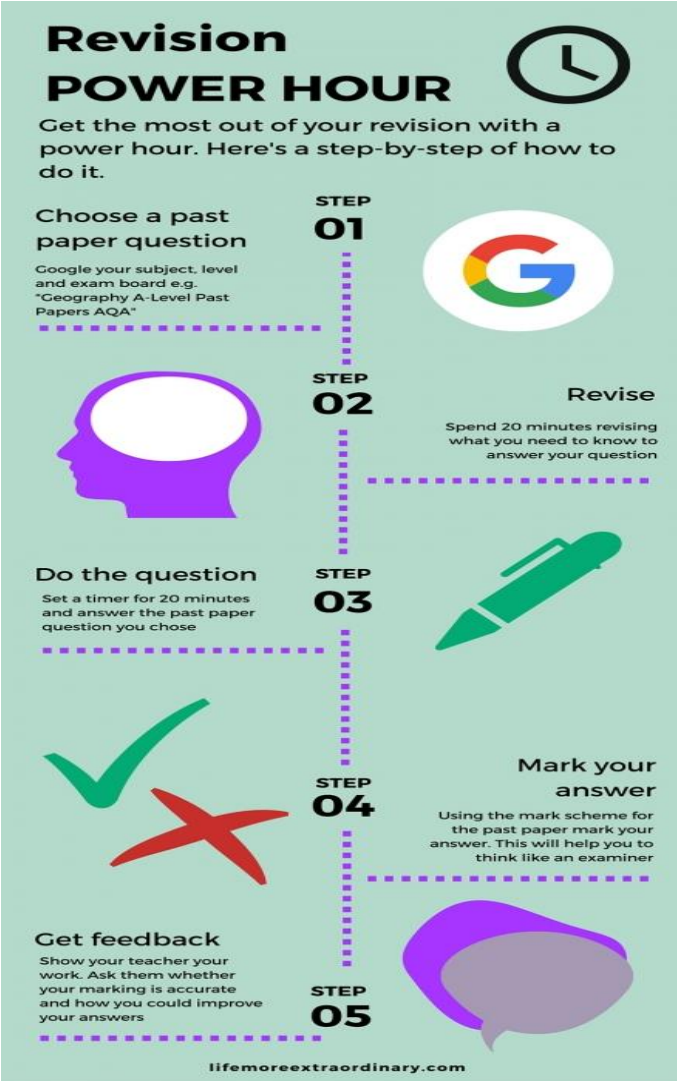
Power Hour technique




Why the 'power hour' is effective

- Forces you to balance the time between learning the content and practicing your exam technique
- Stops you from spending too long in one sitting on revision techniques that don't work. You mix up your activities to make it more likely you'll remember stuff when you've finished your revision session.
- You don't have to revise for too long. It's a maximum of one hour, but you can break it down into 20 minute chunks with 5 minute breaks between each session. (Although you can extend it for essay based subjects like English Literature or History).
- You're forced to use an active revision technique: writing down what you know and analysing your work to see how many marks you've earned.







1. Speak to your teachers or use the school revision zone to access all the past papers you could need.




2. Take notes, create a mind-map/ flashcards. You have revision guides and resources provided by teachers.



3. Practising exam questions is hard but it is effective.



4. Again, ask your teacher for a mark scheme or check the revision zone.



5. Hand in your exam answer. Your teacher will be happy to check it and provide further feedback.

Making it work

Student Action

1. Use online resources (revision zone, GCSEPod, Exam board websites) or take a past paper from school.
2. Use mark schemes and your revision notes to start with – this is great revision and can help with exam technique
3. Begin to limit the resources and enact exam conditions nearer the exams

Parent Support

1. Help your child find papers and mark schemes
2. Create a quiet space where possible (turn the wireless router off, keep phones in the house off)
3. Encourage students to start to try papers independently. Help them with mark schemes – they can be difficult to read.

Finally : Resources

Essential Tools



GCSEPod- You don't need me to tell you how important this resource is and the impact it can have on your GCSEs. Aim to watch 2-5 pods an evening and practice the Check and Challenge questions regularly to build up your comprehensive understanding of core knowledge. GCSEPod also has videos and other resources on how to revise and exam technique



Acle Academy Revision Zone- This can very easily found on the school website. You need to hover over the 'students' tab at the top and click 'revision zone'. From here, click on the 'revision zone Google Drive'. This will take you to a Google Drive with revision resources, revision guides and exam practice for all your GCSE subjects. This is made for Acle learners and has been updated for 2022.



Seneca- This revision app treats each student as an individual and uses an algorithm that adapts to suit the learner's progress and preferences. It's free to use and makes revision fun and engaging. Science, Tech and many other subjects recommend this as their app of choice.