

Welcome to the Parent Revision Evening 2023

Please fill seats from the front.



HECKMONDWIKE
GRAMMAR SCHOOL

Revision (n): the study of information that has been studied before

- The prefix '**re**' means '**again**' and '**vision**' is '**to see**' so literally '***seeing again***' as in looking back at learning to help remember and understand it.



Curriculum Overviews

Subject:

Chemistry



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KS 4 Year 9 Curriculum Overview

Autumn Term

Topics being taught

C1 Atomic structure and the periodic table-

States of matter, atoms and ions
Formulae and balancing equations
The periodic table and its history
Groups 1,7 and 0 and the transition metals

C2 Structure and bonding-

Ionic and covalent bonding
Properties of ionic lattices, simple molecules, giant covalent and metallic structures

Term 1

What you will be assessed on

Describing structures of atoms and ions in terms of sub-atomic particles
Writing simple formulae and balancing equations

Term 2

Reactivity of the elements in groups 1,7, 0 and transition metals.
Explaining the properties of materials based on their structures and bonding

How you can support at home

Be familiar with the [specification](#) and the [units](#) covered!

[Bitesize revision on atomic structure Videos](#) on the whole of unit 1 to review the key ideas

[Bitesize revision on structure and bonding](#)

[Self directed Educake](#) quizzes on C1 Atomic structure

CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS - CHRISTMAS HOLIDAYS

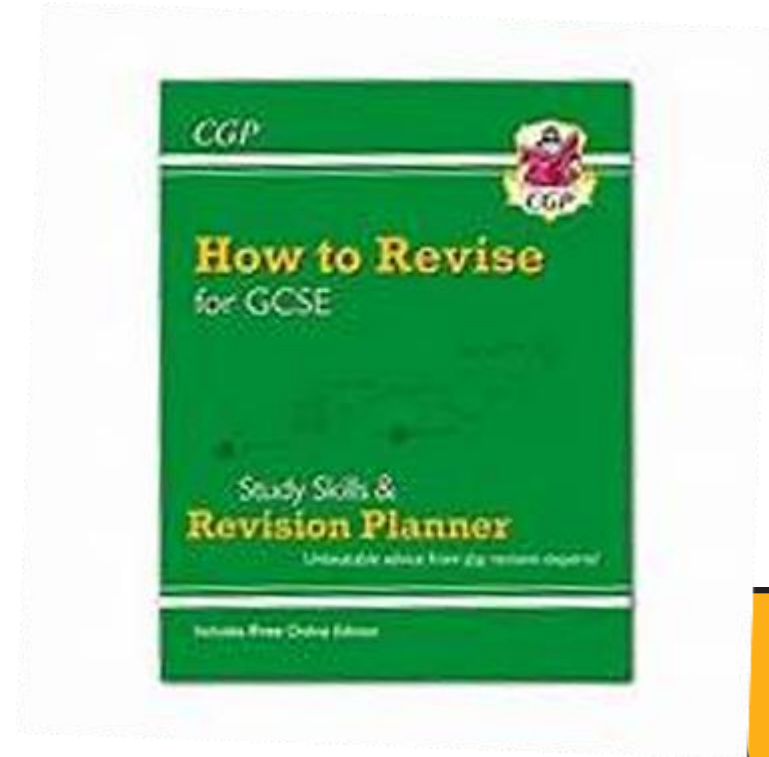
On the school website there are curriculum and revision overviews for every subject.

[Website](#)



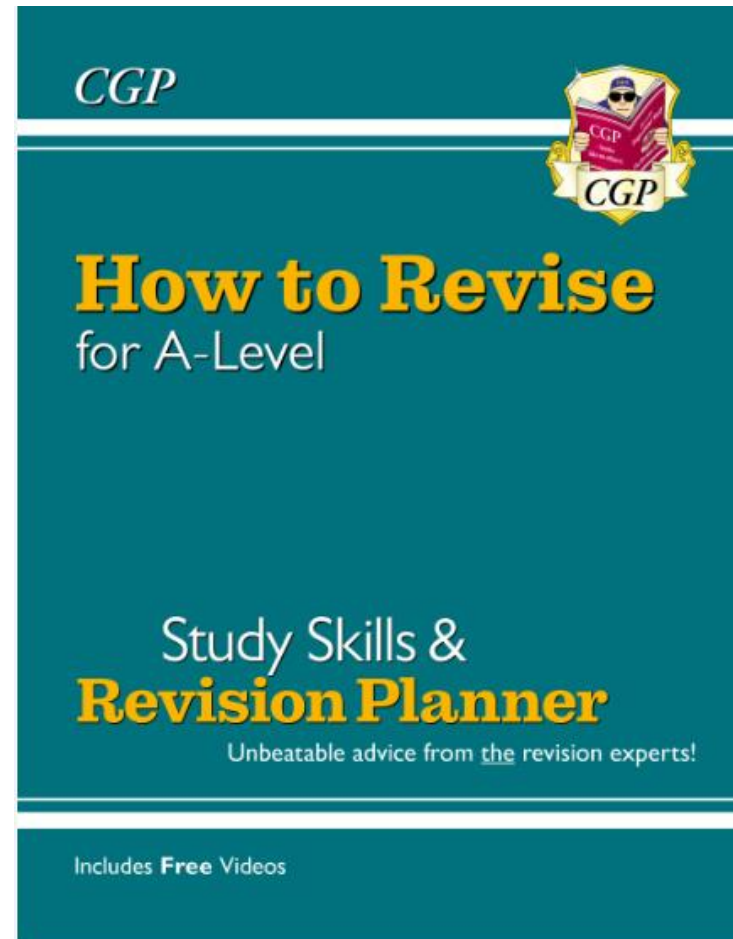
Revision Guide GCSE

- All Y9-11 Students have received a CGP revision guide
- Guidance on general revision techniques
- Sections on each subject
- Templates for revision timetables



Revision Guide A Level

- All Y12-13 Students will receive a CGP revision guide next week.
- Guidance on general revision techniques
- Sections on each subject
- Templates for revision timetables



Revision Workshop

- **Tony Dennis from the Vespa Academy**




- **Wednesday 24th January**
- **Y13P4 and Y13 P5**
- **Strategies to support students to develop a high-performance study mindset.**



Revision Overviews

Revision Overview



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Subject	Revision Guides	Revision Websites
Art and Design	Students to speak with class teacher for further direction.	Students to speak with class teacher for further direction.
Biology	CGP GCSE Edexcel Biology Revision Guide	Educake BBC Bitesize - Biology Edexcel Specification
Business	CGP GCSE Edexcel Business Revision Guide	BBC Bitesize Seneca
Chemistry	CGP GCSE AQA Chemistry Revision Guide	Educake BBC Bitesize - Chemistry AQA Specification

Recommended revision guides

Links to revision resources E.g., Educake Science, Hegarty Maths, Geography Revision Tutor.

[Website](#)

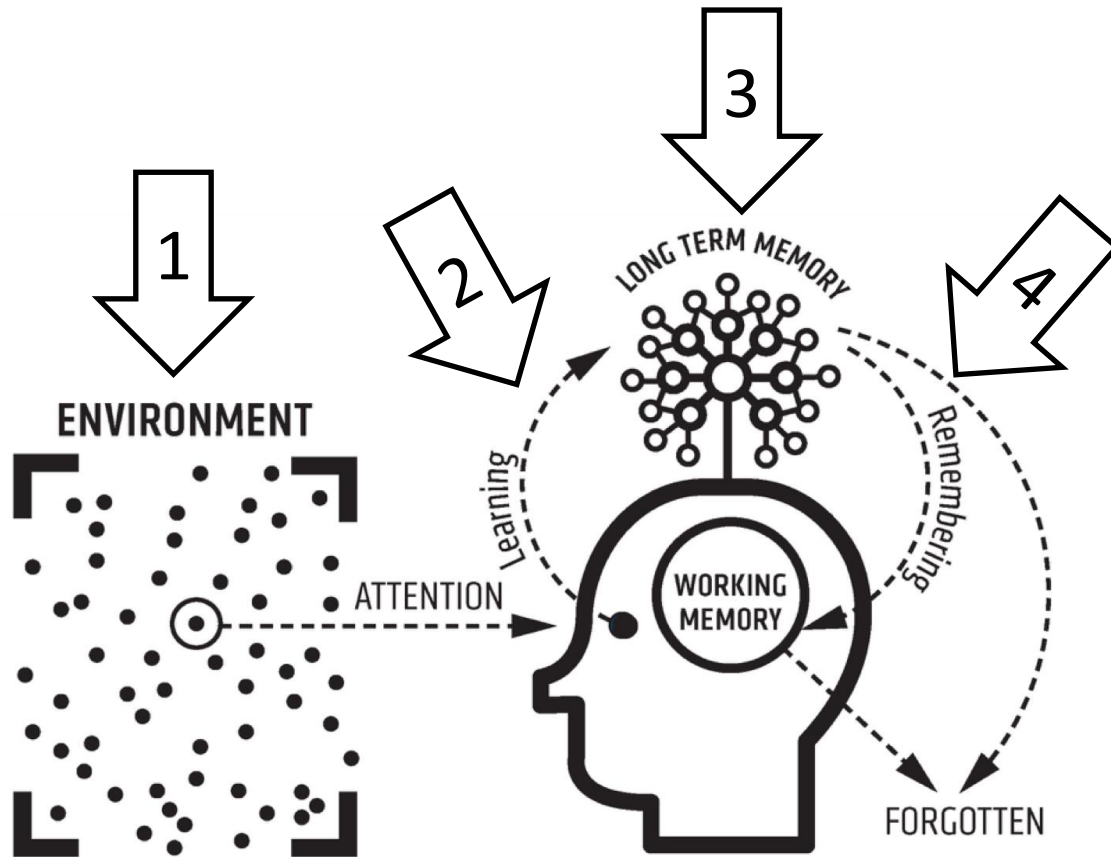
Question Papers

Mark Schemes

Examiners Reports

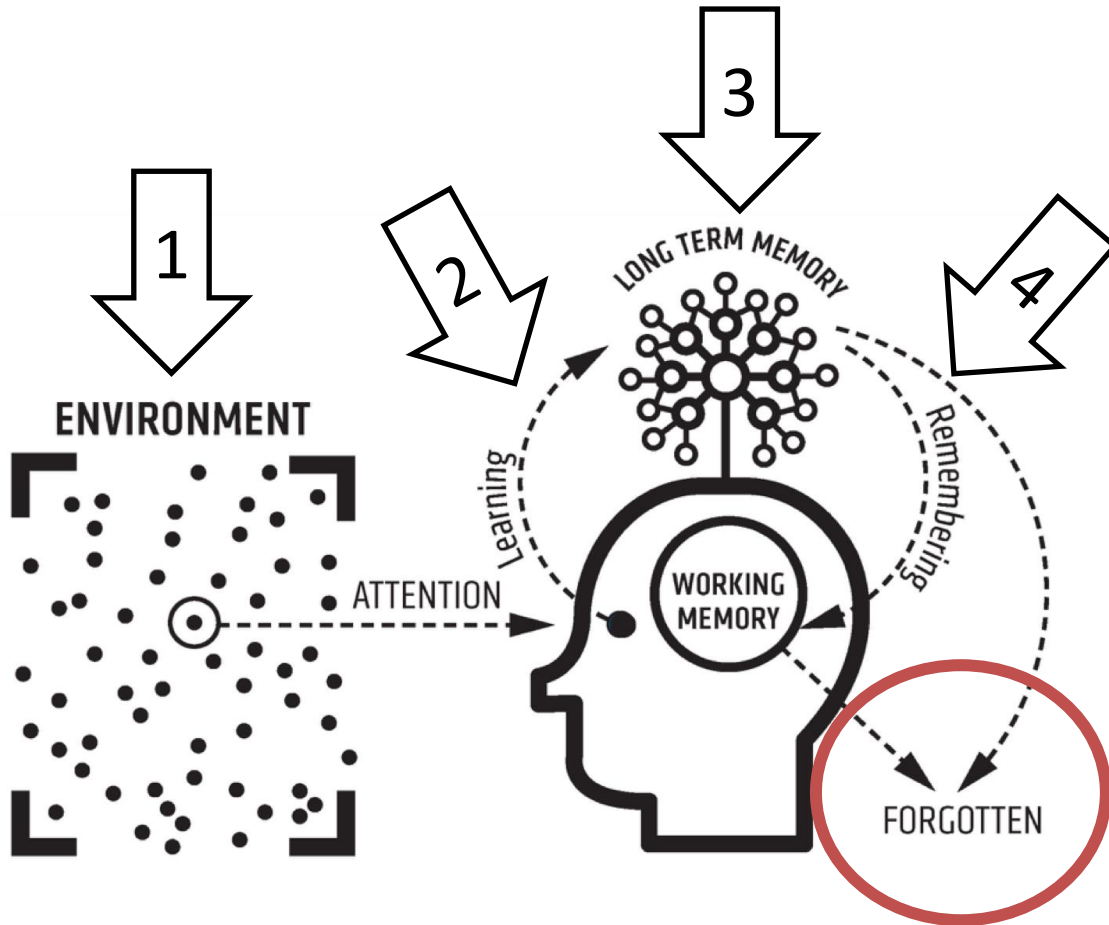


How do we learn? A simple view...



1. We **pay attention** to our environment
2. Our working memory processes **small amounts of information** at a time
3. Information is encoded into long term memory by **connecting** it to things we already know
4. **Regularly remembering** learned information helps to prevent long term memory decay

How do we learn?

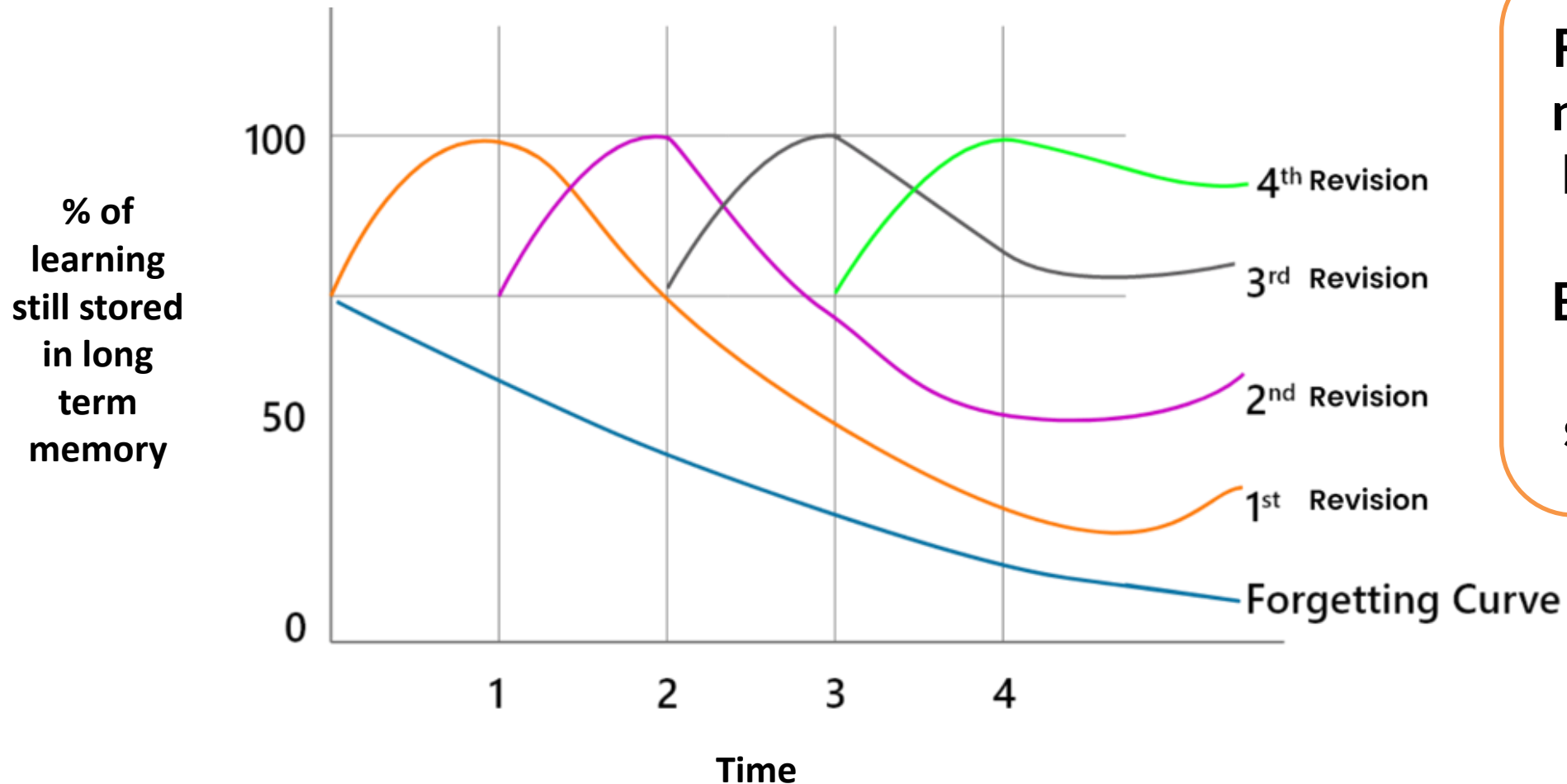


Forgetting can happen at any stage of the learning process:

- If our working memory is distracted
- If our working memory is overloaded and we try to do too much at once
- If we do not regularly remember what we have learned

So, how do we avoid forgetting?

We revise!



Forgetting is a natural part of being human.

But! There are ways we can slow it down.



Revision Myth Busting

Ineffective Revision Strategies

- Re-reading class notes
- Highlighting information for the sake of it
- Cramming before an important exam or assessment
- Copying notes from a resource
- Attempting to revise whilst multi-tasking and doing other things
- Completing practice exam papers in isolation

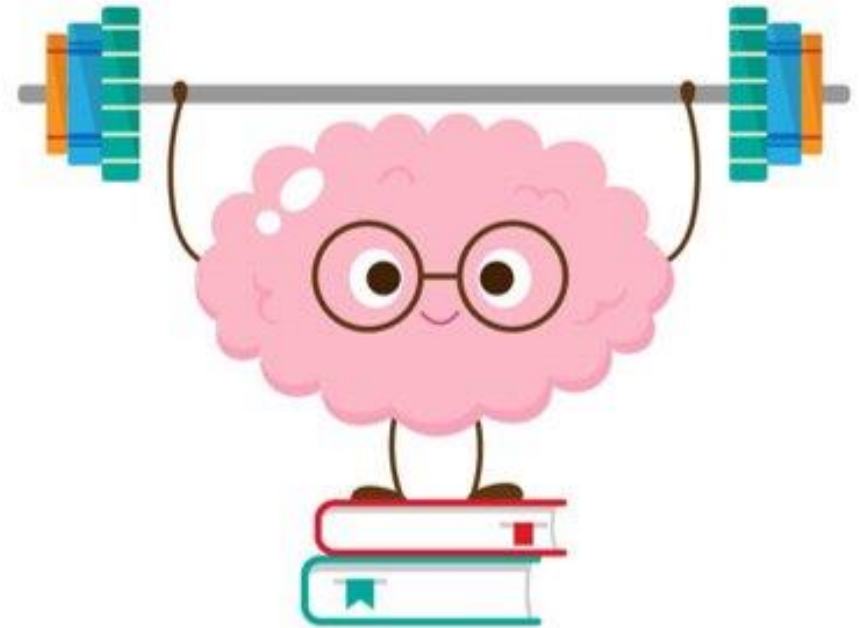


Train your brain!

Your brain is like a muscle, the more you train it the stronger it gets.

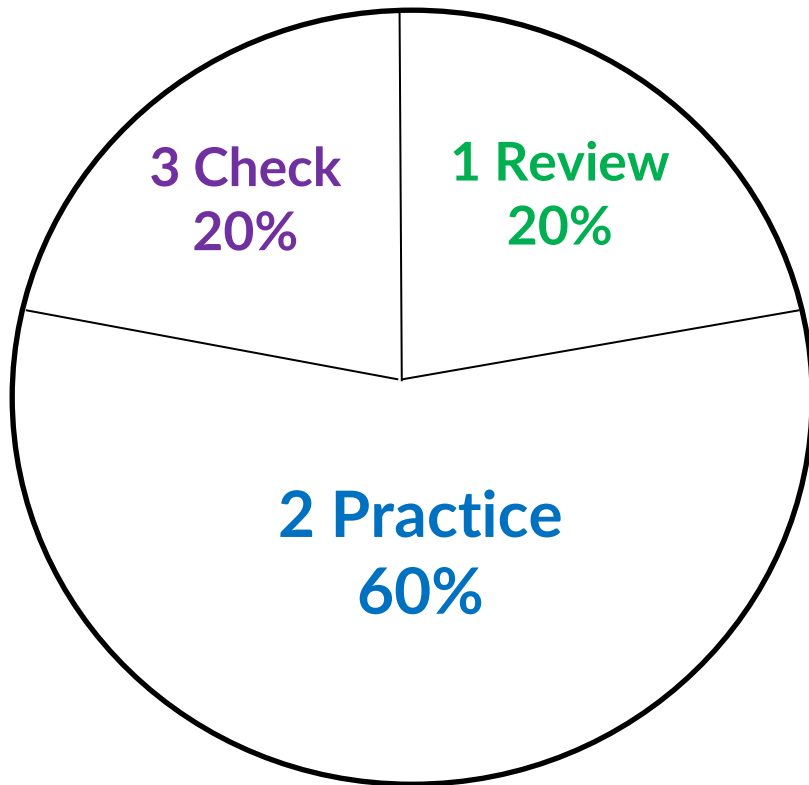
Retrieval practice boosts learning by pulling information out of your long-term memory, rather than trying to cram information in.

After pulling out what you know, you can focus on the things that were forgotten.



What does a good revision session look like?

You need to see each revision session in 3 parts:



1. Review – plan the topic you are going to revise. Prioritise the content you find most challenging.

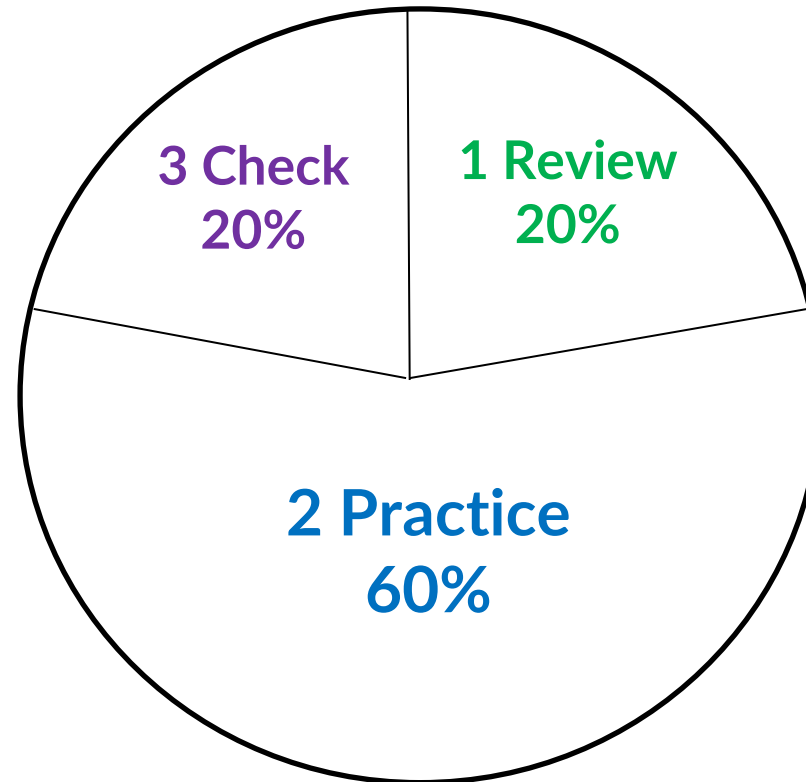
2. Practice – engage in a revision activity that tests your knowledge and/or that gives you opportunities to apply your knowledge to practice questions.

3. Check – compare your work to the right answers. You may need a teacher to support you.

Geography Example

3 Check

Ask someone to test you on your flashcards to check you have remembered the key information.



1 Review

Use a topic checklist on Weather and Climate to highlight content you find most challenging. Choose an area to focus on e.g. anticyclones.

2 Practice

Spend time creating some flashcards on the area of content you are focusing on, using accurate notes to support you e.g. a revision guide. Avoid creating too many flashcards and keep them brief.



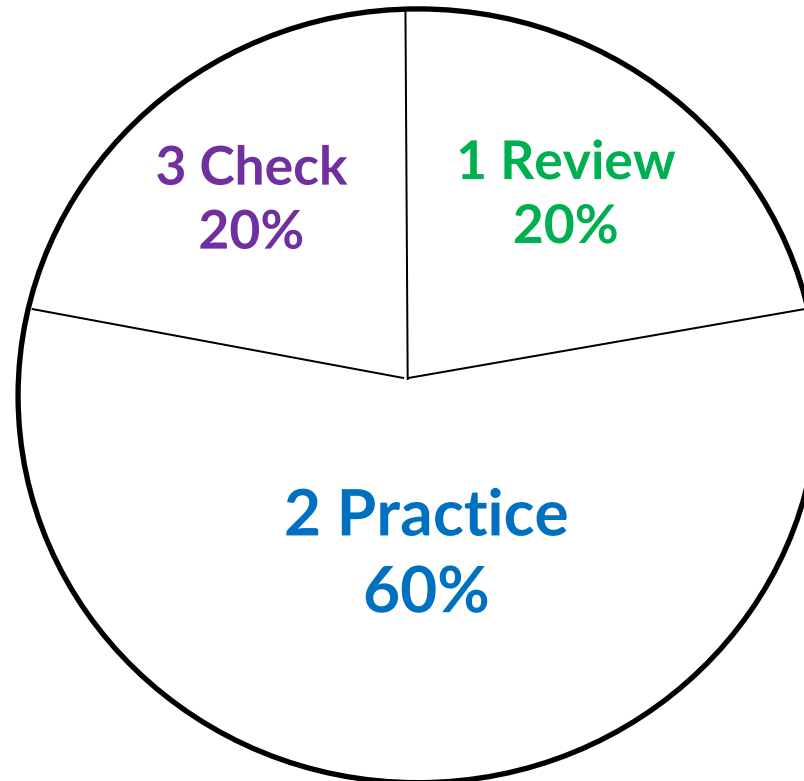
Science Example

3 Check

Use the past paper mark scheme to check whether your exam question has been answered correctly.

2 Practice

Spend time looking back at original notes or a revision guide. Add to your 'brain dump' in a different colour anything you missed on particle theory. Practice applying your knowledge to a past paper exam question on this area of study.



1 Review

Write down everything you can remember about particle theory. Don't use anything to help you at this stage. This is a 'brain dump'.



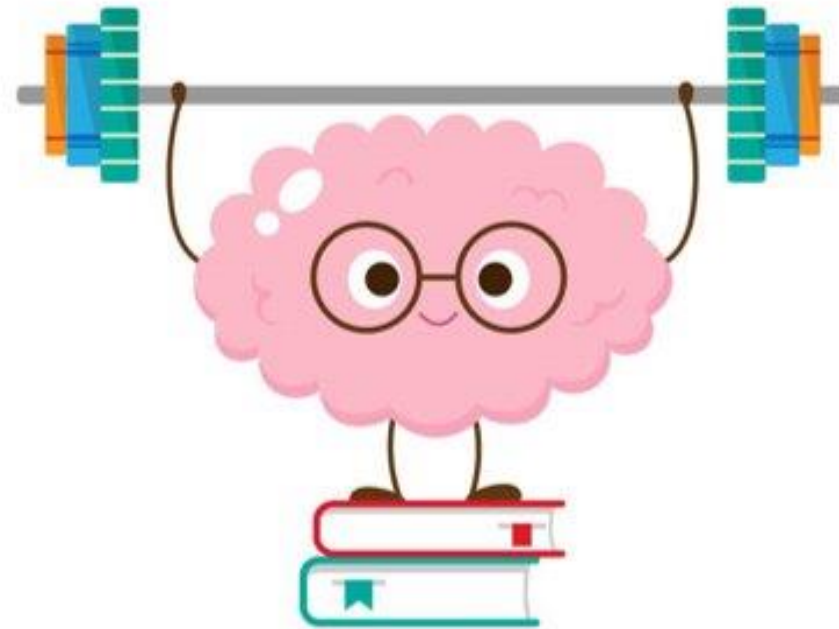
Revision Practice and Check

Once you have reviewed **what** you want to revise, **retrieval practice is the number one** way to do it:

1. Answer quiz questions from memory. Check your answers.
2. Answer multiple choice quiz questions from memory. Check your answers.
3. Write down everything you know about a topic. Check against your notes/revision guide or textbook.

Let's look at some examples!

This is supported by over 100 years of research and evidence!



Retrieval Practice Strategy 1 – E.g. Flashcards

1. **Answer quiz questions from memory. Check your answers.**

Flashcards are a great way to do this! They work well for:

- Retrieving key terms
- Retrieving key facts/processes
- Retrieving examples/case studies



Flashcards – Example 1

Example 1 – Front

Key Term

Example 1 – Back (Hidden)

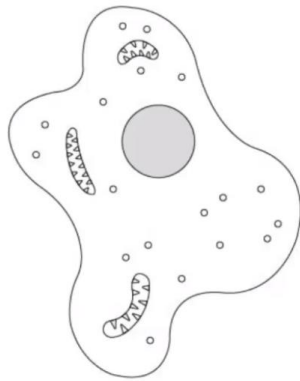
Definition



Flashcards – Example 2

Example 2 – Front

Describe the sub-cellular structure of an animal cell



Example 2 – Back (Hidden)

Nucleus – contains genetic information (DNA) and controls cell activities

Cytoplasm – jelly like structure where chemical reactions take place

Cell membrane – surrounds the cell and controls what enters/exits

Mitochondria – where aerobic respiration occurs and energy is released

Ribosome – where protein synthesis takes place



Flashcards – Example

Example 3 – Front

**Why did the Romans
want to invade Britain?**

Example 3 – Back (Hidden)

- To grow the Roman Empire
- Wealth – taxes and silver
- Improve lives – build towns and provide fresh water supplies
- Farmland – grow and send food back to Rome
- Strong army – they could bring law and order
- Fame and fortune for those in charge
- Supply more slaves for rich Romans



Revision Cards



Tesco Large Record Cards 100 Pack

☆☆☆☆☆ No ratings yet [Write a review](#) >

£1.25 £0.01/each

1 [Add](#)

- Students in Y11 and 13 will be issued with a starter pack next week.
- Flash Cards, highlighters, coloured pens, post it notes.

Wilko

new



Luxpad Carry Case With Revision Cards 8359360

£3.99

Klarna. Pay in 30 days. [Learn more](#)
18+, T&C apply, Credit subject to status.

clearpay Pay 4 payments of £1.00. [Learn more](#)

laybuy 6 interest-free payments of £0.66. [Learn more](#)

[View product information >](#)

Quantity

Delivery ● 6 in stock

[Add to basket](#)



Silvine Wiro-Bound Revision Cards 8125130

£2.29

Klarna. Pay in 30 days. [Learn more](#)
18+, T&C apply, Credit subject to status.

clearpay Pay 4 payments of £0.57. [Learn more](#)

laybuy 6 interest-free payments of £0.38. [Learn more](#)

[View product information >](#)

Quantity

Delivery ● 20+ in stock

[Add to basket](#)



Quizlet

- Can create your own flashcards or use ready made ones.
- Great for when you don't have resources with you.

NB: Would recommend making your own as they're personalised to your knowledge gaps.

AQA - Cell Biology

↗ 13 studiers today ★ 4.8 (13 reviews)

In-class activity

☰ Classic Live

🗨️ Checkpoint

Self-study activity

📄 Flashcards

🔄 Learn

📄 Test

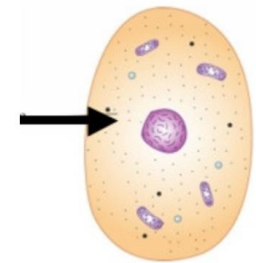
🗨️ Match

✂️ Q-Chat

🔗 Explain this

🔊 ★

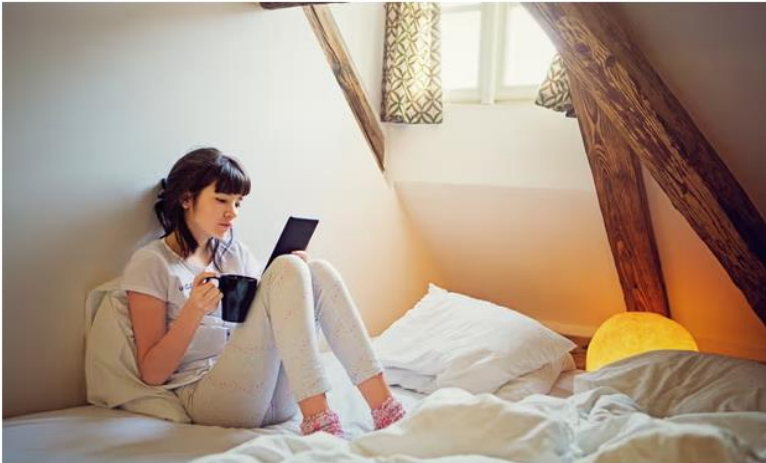
Where most of the chemical reactions take place in a cell.



Balance Electronic Resources with Print

Reading print improves comprehension far more than looking at digital text, say researchers

A study from the University of Valencia found that print reading could boost skills by six to eight times more than digital reading



Teenage girl reading an ebook. Photograph: praetorianphoto/Getty Images

Reading print texts improves comprehension more than reading digital materials does, according to a new study.

Researchers at the University of Valencia analysed more than two dozen studies on reading comprehension published between 2000 and 2022, which assessed nearly 470,000 participants. Their findings suggest that print reading over a long period of time could boost comprehension skills by six to eight times more than digital reading does.

- The deeper you engage in the material you're trying to learn, the more likely you are to remember it.
- Active reading strategies like **highlighting**, **annotating**, **writing a summary**, **noting key words** and **asking yourself questions as you read** are all effective at improving reading comprehension. These might be easier to do with print books compared to digital resources which is why they're better for studying.
- Having your phone near you whilst studying reduces your working memory capacity due to cognitive load. Information that is irrelevant places demands on your working memory.



Retrieval Practice Strategy – E.g. Brain dump

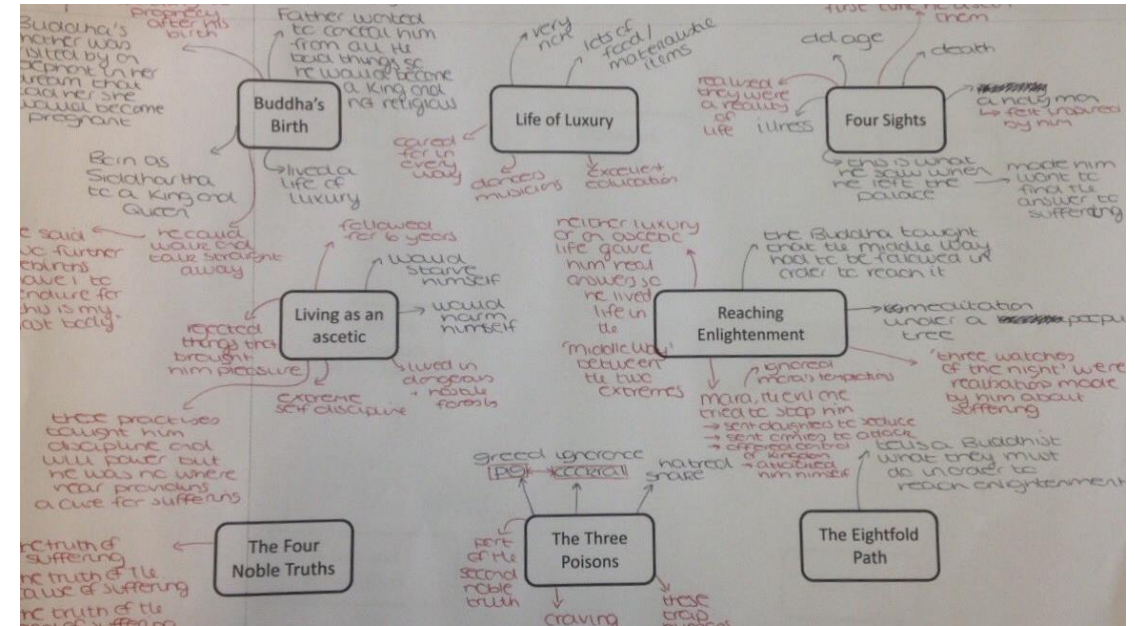
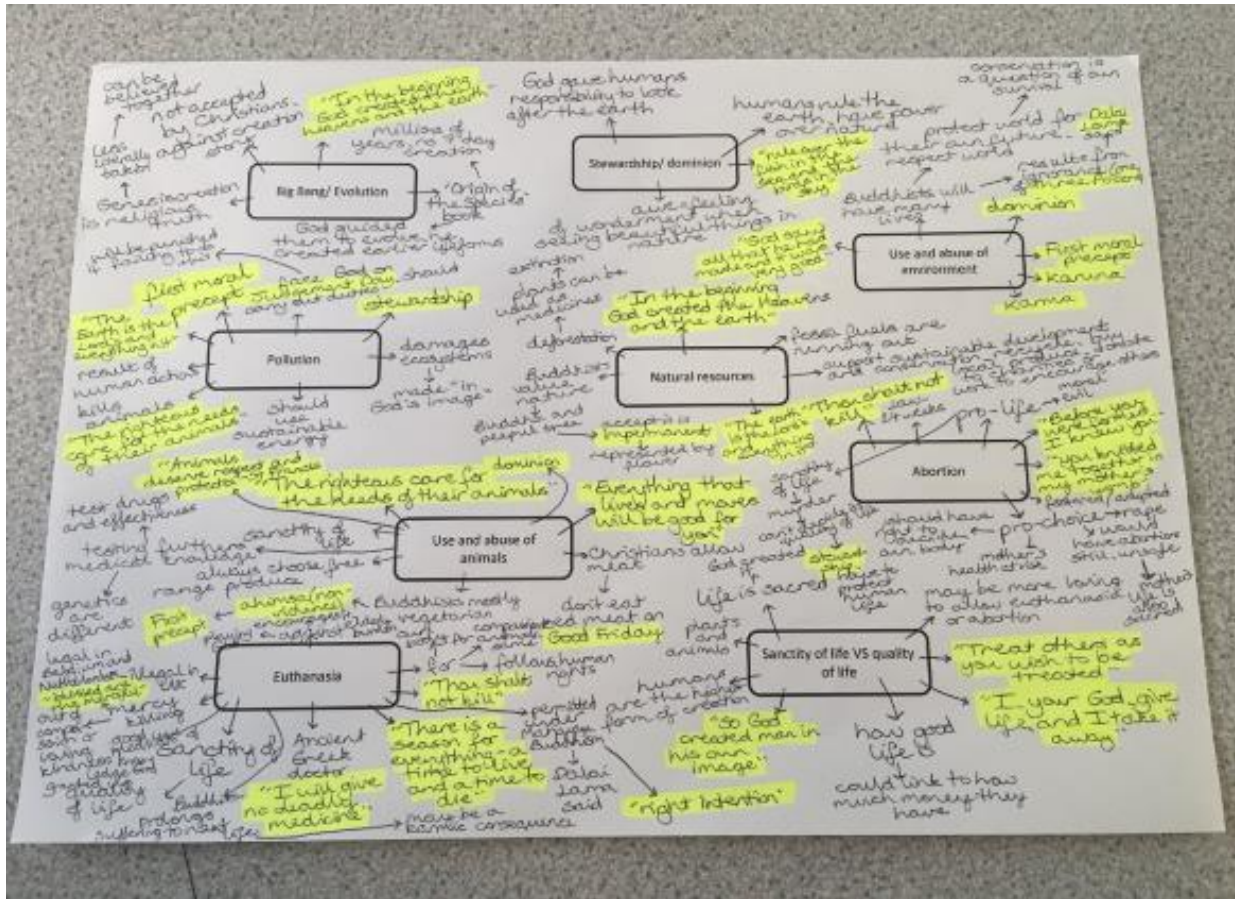
3. Write down everything you know about a topic. Check against your notes/revision guide or textbook.

'Brain dumps' are a great way to do this! They work well for:

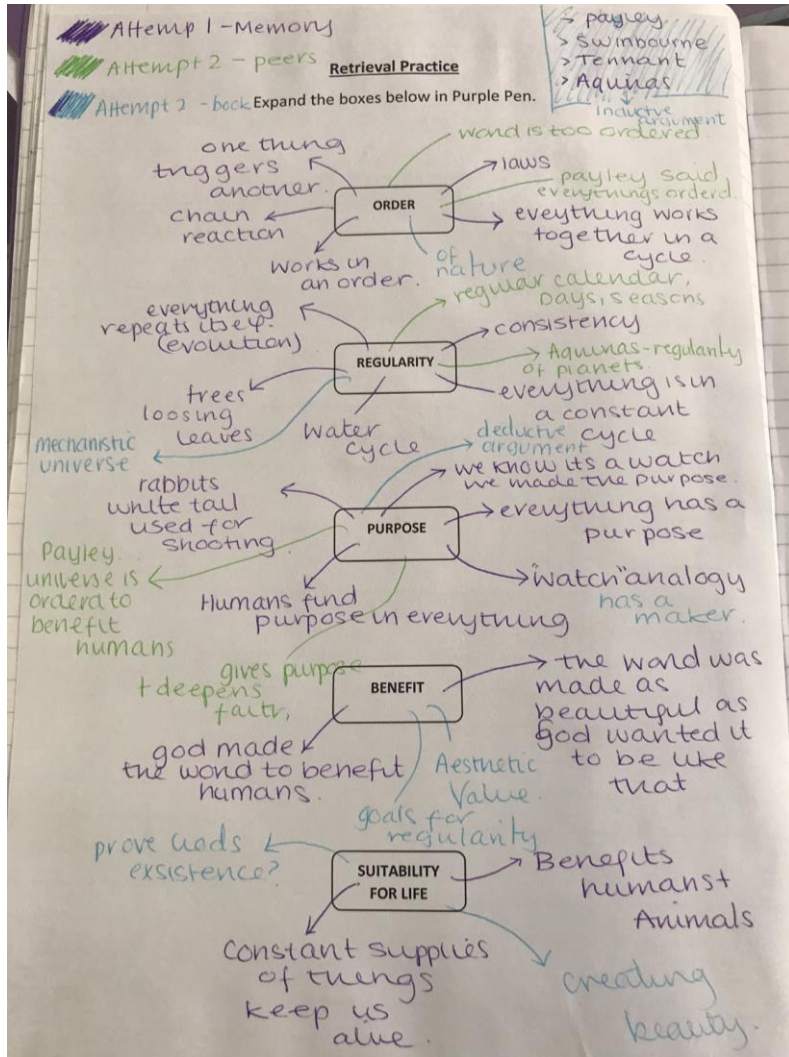
- Reviewing what you know
- Helping you target what you have forgotten
- Applying to practice questions



Brain Dump - Example 1



Brain Dump - Example 2



Brain Dump – Example 3

Topic 1 — Cell Biology
Cells.....
Microscopy.....
More on Microscopy.....
Cell Differentiation and Specialisation.....
Chromosomes and Mitosis.....
Binary Fission.....
Culturing Microorganisms.....
Stem Cells.....
Diffusion.....
Osmosis.....
Active Transport.....
Exchange Surfaces.....
Exchanging Substances.....
More on Exchanging Substances.....
Revision Questions for Topic 1.....

If unsure where to start with a brain dump, **review** a topic list (remember that 'review' is always the first step in a good revision session) such as this one and highlight where your areas of strength and development are. Here I have used green, amber and red to colour code.

I will focus on the red areas first where I need the most revision. I will start by brain dumping everything I remember on 'Exchanging Substances' then add anything I missed using the revision guide. This is a great way to combine '**practice**' and '**check**'.

I could then attempt a practice question or two on 'Exchanging Substances' to make sure I know how to apply the learning.

Exam Questions

AQA

Please write clearly in black capitals.

Centre number: Candidate number:

Surname: _____
Forename(s): _____
Candidate signature: _____

GCSE **H**
SPANISH

Higher Tier Paper 3 Reading

Wednesday 6 June 2018 Morning Time allowed: 1 hour

Materials
You will need to bring materials:

Instructions

- Use black ink or black ballpoint pen.
- Fill in the boxes at the top of the page.
- Answer all questions.
- You must answer the questions in the spaces provided. Do not write outside the box around each page or on extra pages.
- In Section A, answer the questions in English.
- In Section B, answer the questions in Spanish.
- In Section C, translate the passage into English.
- Do all rough work in the answer book. Cross through any work you do not want to be marked.

Information

- The marks for questions are shown in brackets.
- The maximum mark for this paper is 60.
- You must not use a dictionary.

For Examiners Use	
Question	Mark
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
TOTAL	

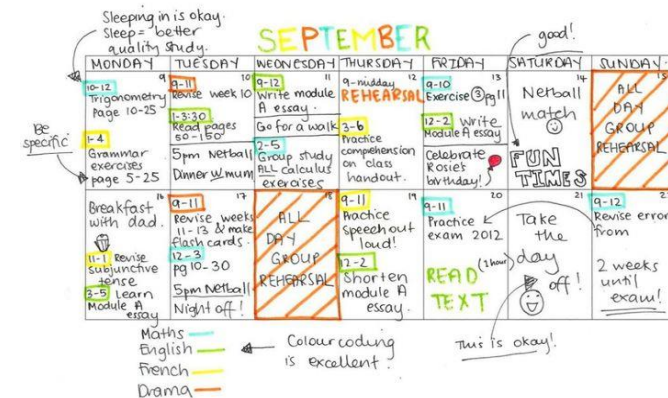
8698/RH

- Practice applying your knowledge in exam questions.
- Read the mark scheme and check your answers
- Read the examiners reports.
- Ask your teachers for additional questions.
- **Don't do this in isolation.**



Weekly Repeating Schedule

- This is the **best** way to plan your time
- It supports you to develop an **efficient** study routine
- If you have a clash, then you can plan how you will be **flexible** in reassigning study hours elsewhere
- There are lots of downloadable templates and smart phone apps to support you to plan a weekly repeating schedule
- **Have you already got one?**



Weekly Repeating Schedule - Example

	MON	TUE	WED	THU	FRI	SAT	SUN
9 A M							Video Games
10 A M	Maths	Fiscal Policy	Biology	Economics	Photosynthesis	Football Match	
11 A M	Mitosis			Trigonometry	Biology		
12 P M		Economics	Maths	Integration			
1 P M							Labour Market
2 P M	Biology	Monetary Policy		Maths	Economics		
3 P M							
4 P M			Football Training		School Easter Party	Public Goods	Histograms
5 P M	Proteins	Antigens		Differentiation		Inflation	Algebra
6 P M	Supply	Antibodies		Probability		Free Market	Functions
7 P M							
8 P M				Gym			Gym
9 P M	Demand	Lipids			Seeing friends		Plan following week
10 P M							

Key

Lessons
Sports
Social
Revision



We are what we repeatedly
do. Excellence, therefore, is
not an act, but a habit.

Aristotle

quote fancy



Useful Websites GCSE

[Physics and Maths Tutor](#)

Maths

Physics

Biology

Chemistry

Economics

Geography

English Language

Flash Cards
Mind Maps
Videos
Past Papers
Mark Schemes

- [GCSE Bitesize](#)

Personalise your account and add all your courses.

[Quizlet](#)

Flash cards – can create your own or use ready made ones.



Useful Websites A Level

[Physics and Maths Tutor](#)

Maths

Physics

Biology

Chemistry

Economics

Geography

English Language

Flash Cards
Mind Maps
Videos
Past Papers
Mark Schemes

[Quizlet](#)

Flash cards – can create your own or use ready made ones.



Revision Apps/Websites Recommended by Students

<u>Physics and Maths Tutor</u>	<u>Save My Exams</u>	<u>Knowunity</u>
<u>Revisely</u>	<u>Knowt</u> <u>Anki</u>	<u>Flora</u>

