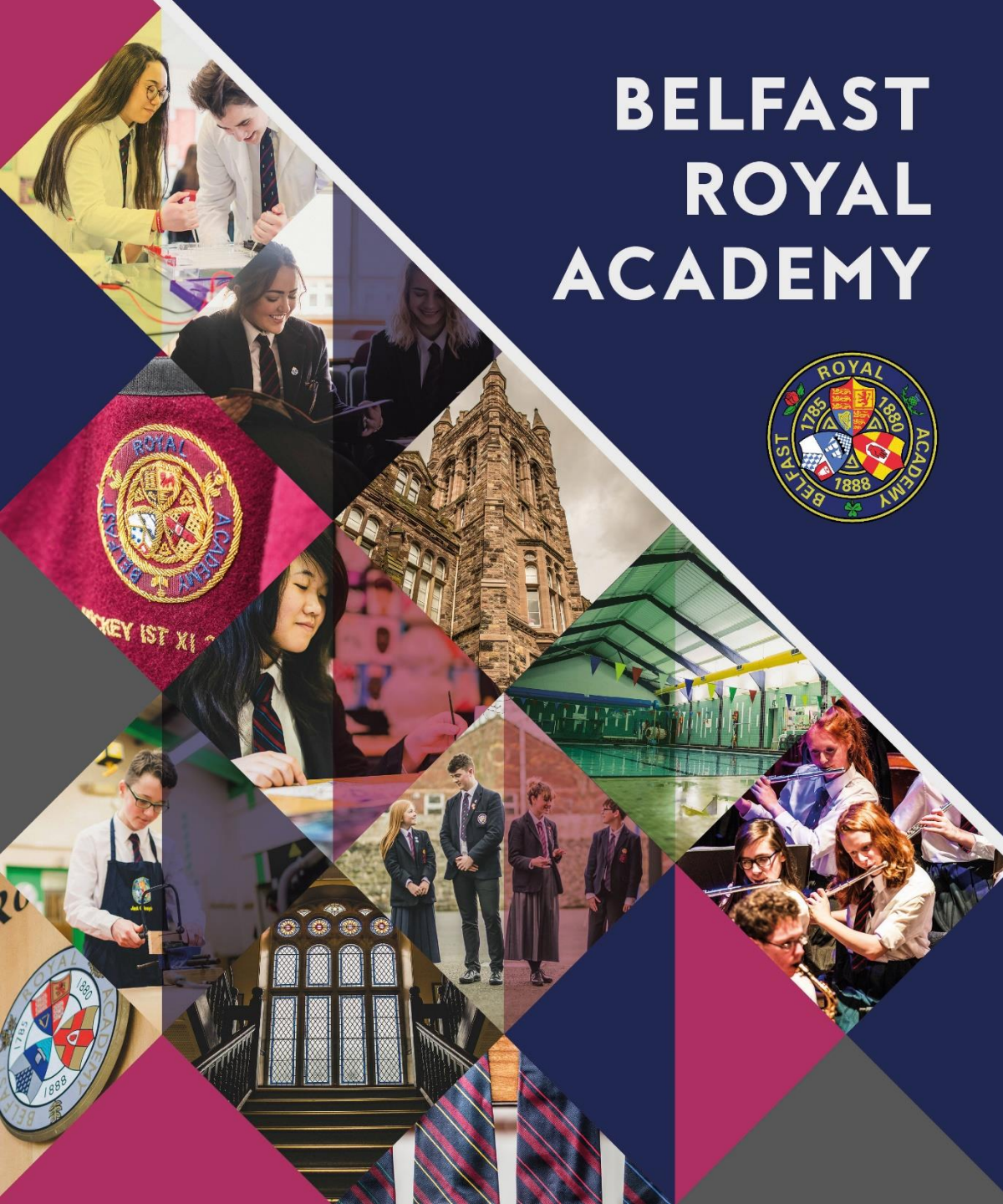


# BELFAST ROYAL ACADEMY




## Parents' Guide

## How to Revise



# How can you help your child and prepare them to perform?

- 
- A close-up photograph of a hand holding a black pen, writing on a white piece of paper. The background is blurred, showing what appears to be a desk or table.
1. Being a role model
  2. Help them set goals
  3. Keep them active
  4. Healthy eating
  5. Time out
  6. Sleep patterns
  7. Unplugging
  8. Staying cool & calm
  9. Belief
  10. Be supportive

Each day you can support your child to make choices which can impact how they perform during the exam period

# Effective Revision Strategies

- At this stage, it is about having
  - The right attitude
  - Making the effort
  - Using effective systems

Most pupils need  
support to revise  
effectively

# *No surprises...*

Pupils should know:

**WHAT** they need to learn

**WHEN** they will be assessed

**HOW** to learn / revise it

**HOW** to test themselves

**WHERE** to go for help

*We need to model revision*

*Pupils feel that re-reading  
of notes and maybe  
highlighting some is  
sufficient.*

***NOT AN EFFECTIVE USE  
OF TIME***



What do most students do?

## EXAM

- Hope knowledge has stuck enough to answer an exam question and be successful

## PASSIVE REVISION

## PHASE 1: READ

- Revision workbook
- Own notes
- Text book refresher
- Relevant websites e.g. quizlet

## PHASE 2: POSSIBLY MAKE REVISION NOTES

- Flashcards
- Revision book
- Mind maps
- Graphic organisers

## PHASE 4 RAG KNOWLEDGE

- Red – no knowledge – learn again – maybe try a different technique
- Amber – good factual knowledge but can't apply to an exam question
- Green – can answer exam questions on this topic confidently

**NOW FOCUS ON YOUR RED TOPICS - BE EFFECTIVE AND TARGET REVISION**

### ACTIVE REVISION CYCLE

## PHASE 1: READ

- Revision workbook
- Own notes
- Relevant websites e.g. Quizlet

## PHASE 2: MAKE REVISION NOTES - LEARN CONTENT

- |                      |                             |
|----------------------|-----------------------------|
| • Quizlet            | • Mnemonics                 |
| • Flashcards         | • Post it note revision     |
| • Revision book      | • Read, cover, write, check |
| • Mind maps          |                             |
| • Graphic organisers |                             |

## PHASE 3: TEST YOURSELF

- Exam Practice – short / long answer questions
- Quiz yourself (flash cards / quizlet – other online quizzes)
- Teach someone else



**“ When it comes to retaining information, not all methods are created equal.”**

**ALEX QUIGLEY ‘TOTAL RECALL’**

# Research: Dunlosky et al (2013)

- Embarked upon an assessment of 10 commonly used teaching and learning/revision techniques.
- Amongst other factors, researchers were aiming to understanding the **UTILITY** of the techniques, the **EFFICACY** and the **RANGE OF LEARNERS** the 10 techniques could be used for.

## Outcomes

TOP 3 PRACTICES

1. Practise testing
2. Distributed practice (the opposite of cramming – spread revision throughout the course)
3. Interleaved practice (mixing different kinds of material within a study session)
4. Elaborative interrogation (*explaining why a fact / concept is correct*)
5. Self-explanation (*explaining how information is connected*)
6. Summarising – *but successful when students are shown how to summarise*
7. Imagery for text – *not applicable to a wide range of subjects*
8. Mnemonics – *but useful for short-term memory*
9. Rereading – *although it is the most commonly used*
10. Highlighting – *can actually harm student performance/ability to make inferences*

# Variety is the spice of life

## revision

1. Using a range of techniques seems to be best.
2. Some of the lower rated techniques are boosted when combined with other techniques.
3. A mixture of long and short-term revision strategies are needed.
4. Students need to be introduced to a range of techniques and trial them to see what works and what doesn't.
5. Students need to **TRANSFORM their notes** into another format and **UNDERSTAND how that LINKS** to the way they will be **ASSESSED in the exam**

# 10 Revision ideas

1. Mindmaps
2. Flashcards
3. Foldables
4. Cornell notes
5. Revision books
6. Post-its / mind maps / posters
7. Past paper practice
8. Exam question planning
9. Graphic organisers
10. RAGing knowledge

## Key Tip

This is where  
modelling  
interleaved  
practice is  
essential

# Effort

- Effort is just habit
- Pupils who have the effort habit have created a weekly routine of repeated activities (homework or independent study)
- Pupils without the effort habit have little or no routine and respond to work as and when it hits them



# How to create habit – the 3 Rs

**Reminder:** 4.30 p.m.

**Routine:** One hour and thirty minutes of activity in a quiet place, finishing at 6 p.m. broken into three sections:

- 25 minutes high intensity work with no distraction

- 5 minutes off

- 25 minutes on

- 5 minutes off

- 25 minutes on

**Reward:** Whatever your child chooses within reasons – a TV programme, a blast of music, a cup of tea and a biscuit

# Don't break the chain



# How to use 25 minutes effectively

## The Pomodoro Technique



# A revision schedule

1. How many subjects?

**11**

2. Which need more revision time?

**History, Mathematics, Physics**

3. How many weeks until the examinations?

**2**

4. What revision slots will be used?

**School day 4.30 – 6 p.m., weekends 1 – 3 p.m.**

5. What days are going to be free from study?

**No work on Sunday mornings**

# Create a revision timetable



# Pupils must transform their notes into a different format

Combination of:

- A3 or A4 summary sheets
- Mind map
- Flash cards

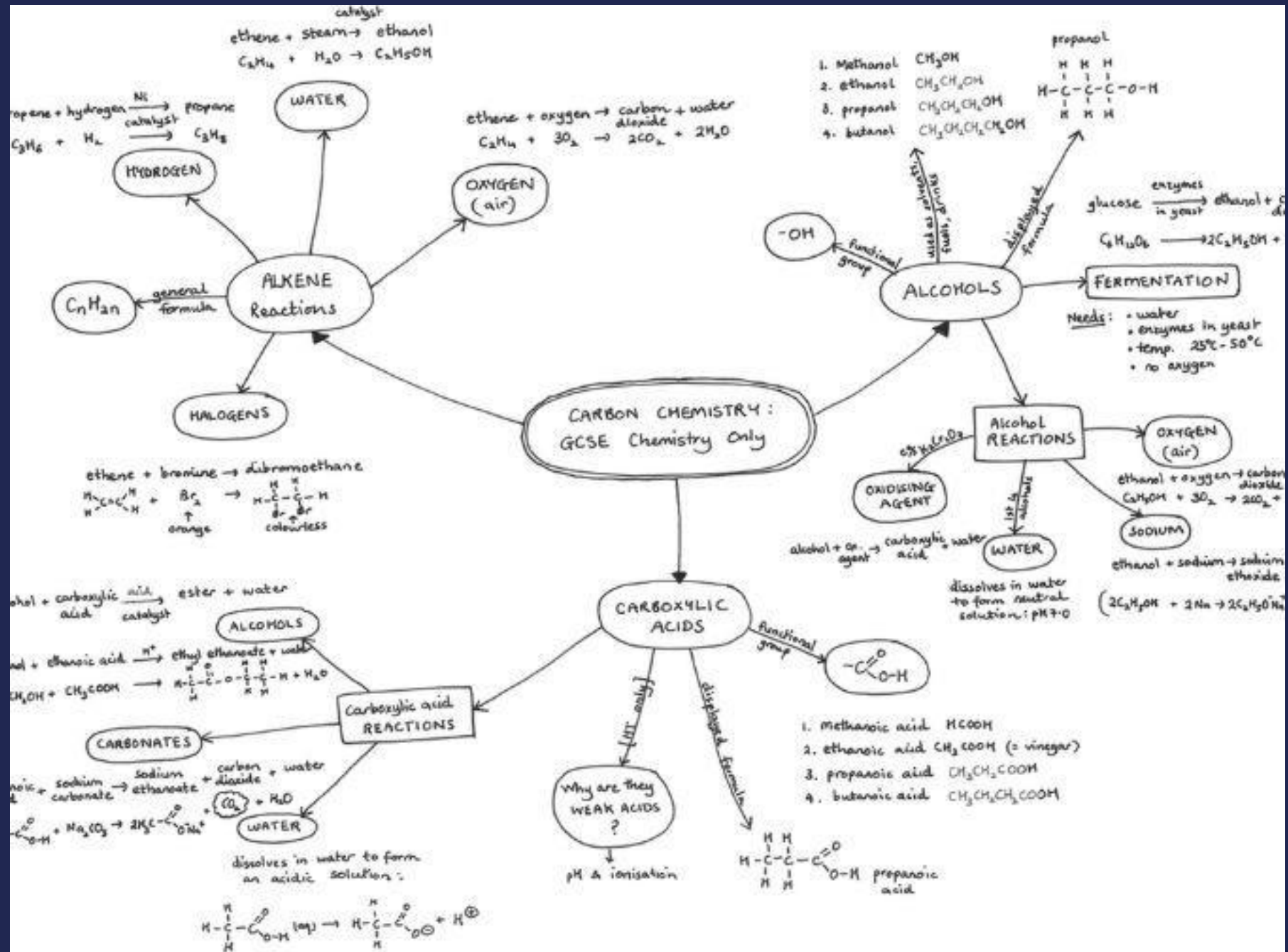
Then **learn** the content

Then **test** themselves



**The BRA  
Way**

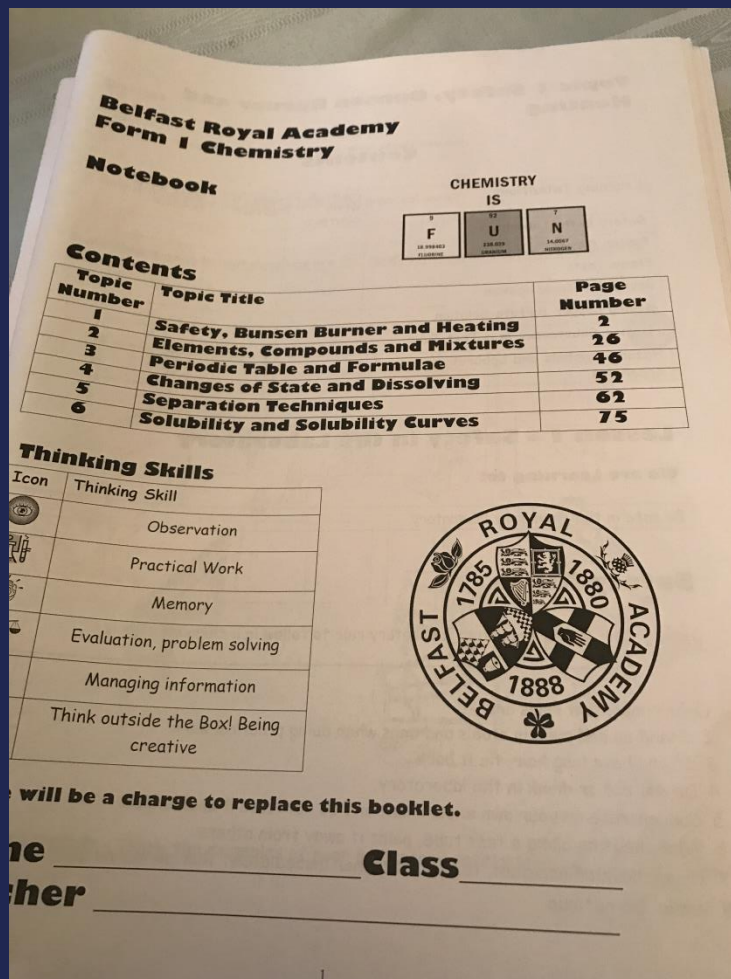




# History Topic – who wants to be King 1066?

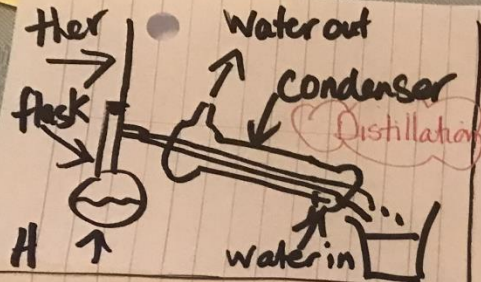
WHO SHOULD BE KING? (1066)		
HAROLD GODWIN	WILLIAM OF NORMANDY	HARALD HARDRAADA
<p><b>YES</b> • Brother-in-law of Edward Confessor</p> <ul style="list-style-type: none"> <li>• Witan support</li> <li>• popular with English</li> <li>• Experience of government in Wessex + England</li> <li>• military experience</li> <li>• bedside death promise of Edward – King's last and most important wish</li> </ul> <p><b>NO</b> • Bedside death promise only witnessed by Harold's sister.</p> <ul style="list-style-type: none"> <li>• not blood relative</li> </ul>	<p><b>YES</b> • Promised throne by Edward</p> <ul style="list-style-type: none"> <li>• Promised throne by Harold Godwin</li> <li>• Experienced ruler of Normandy</li> <li>• Experienced military ruler</li> <li>• Blood relative (2nd cousin)</li> </ul> <p><b>NO</b> • Edward's later promise to Harold G. more important</p> <ul style="list-style-type: none"> <li>• Blackmailed Harold G. into making promise</li> <li>• untrustworthy</li> <li>• unpopular with English – could cause rebellion</li> </ul>	<p><b>YES</b> • Experienced ruler (Norway + Denmark)</p> <ul style="list-style-type: none"> <li>• Very strong military leader</li> <li>• direct descendant of King Canute + claimed promise throne</li> <li>• supported by Tostig</li> </ul> <p><b>NO</b> • Would be a brutal ruler (nickname "hardraa")</p> <ul style="list-style-type: none"> <li>• Could exploit England for resources</li> <li>• Unpopular and could cause rebellion in England</li> <li>• Could he be effective ruler 3 countries at once?</li> </ul>

# Chemistry Booklet





# Transform each topic to one A4 page



## Uses of fractional distillation

- Purify alcohol - distilling
- Separate crude oil into diesel, petrol, tar

## Ascending Strip Chromatography

- Spots ink  $\rightarrow$  filter paper
- Paper  $\rightarrow$  solvent
- Solvent seeps up and separates spots

Fractionating column

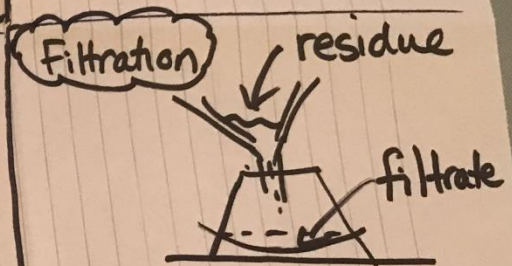
- wrong liquids condense back down column
- correct liquid obtained
- Fraction contains liquid within temp range

## SEPARATION TECHNIQUES

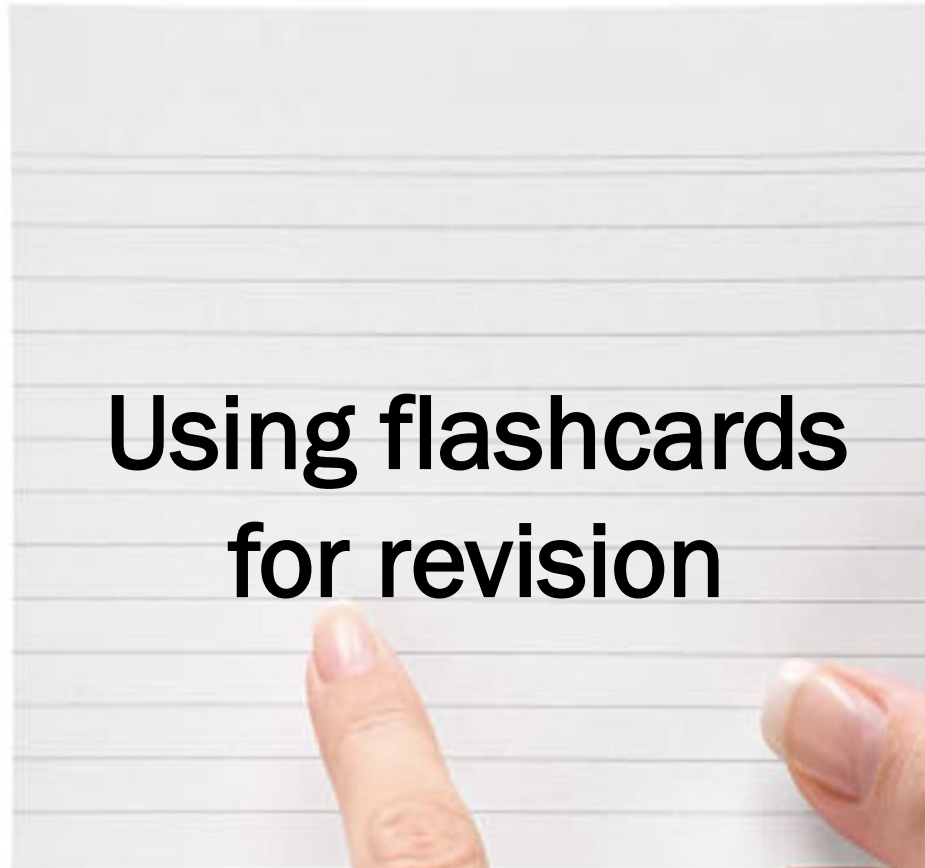
- Purification
- Distillation
- Chromatography
- separating funnel

To speed up the dissolve process

- crush
- stir
- heat

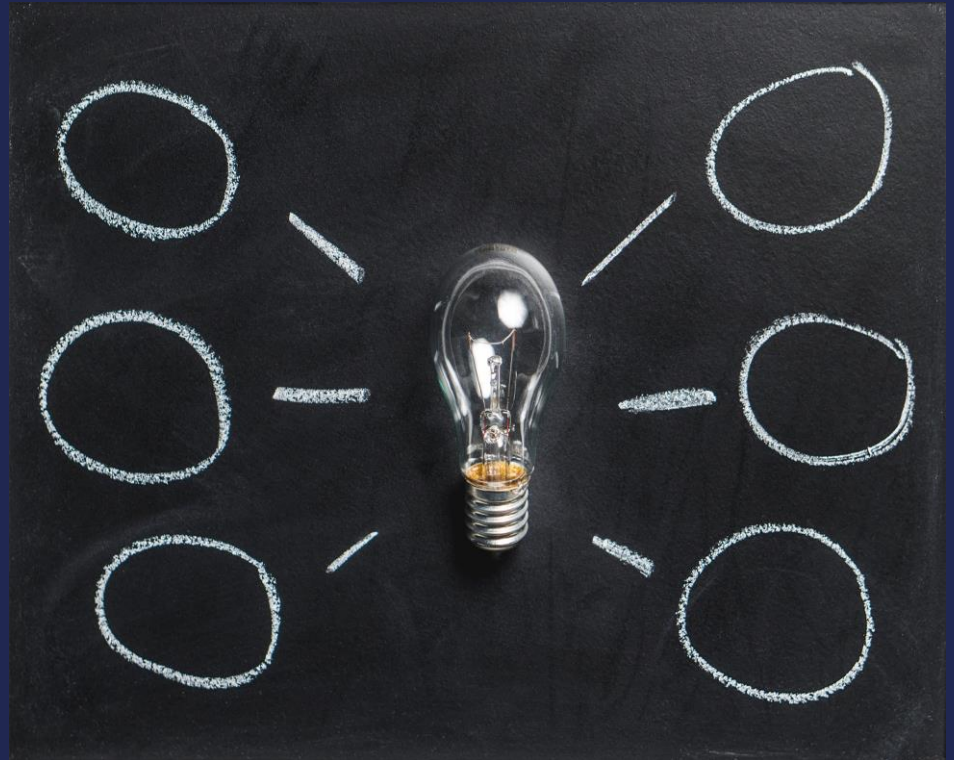


# Using flashcards for revision



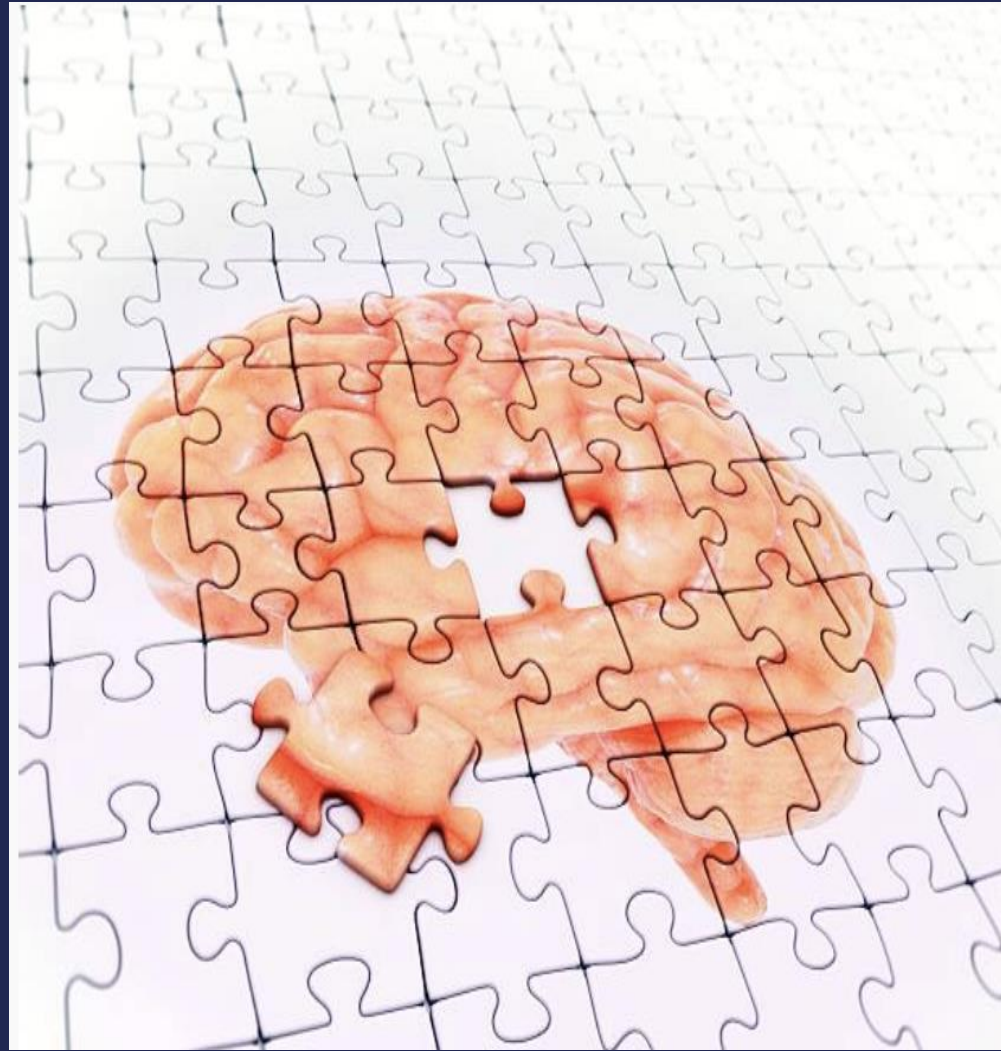
# Using flashcards

- Using flashcards is a repetition strategy.
- They are a simple 'cue' on the front and an 'answer' on the back.
- Flashcards engage "active recall".



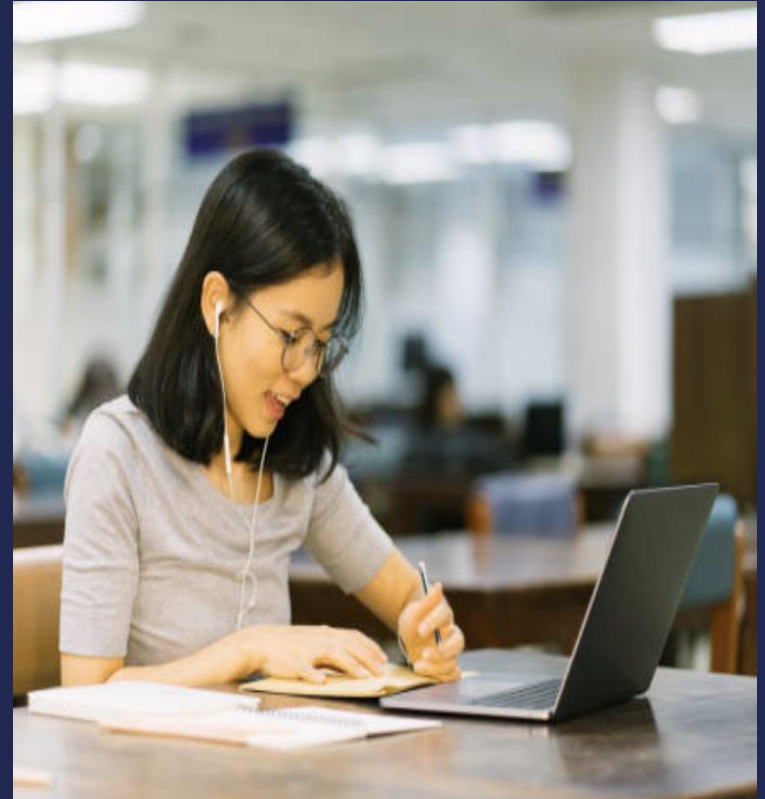


**There are  
many reasons  
why flashcards  
can help you  
learn....**



# Why flashcards help you learn

- They engage in ‘**Active recall**’ – this creates stronger connections for your memory to recall information.
- They promote **self-reflection** – also known as **metacognition** which ingrains knowledge into your memory.



# Why flashcards help you learn

- **Metacognition** - When you make and use flashcards, you take control of your own learning.
- You have to decide what to put on each card, how often you're going to use them, then evaluate how well you know the information on each card.
- By doing all these things, you are using "**metacognitive processes**", which have been proven to enhance long-term learning.



# Why flashcards help you learn

- They help you memorise facts quickly.
- **Drilling** - flashcards help you to practise the same information over and over again - and as we know, practice makes perfect!



**You need to  
'be smart'  
when making  
& using  
flashcards to  
make sure you  
are  
effective....**





# How to make flashcards

1. Ensure that the flashcards have a **question or key term** on one side and the **answer or definition** on the other.
  - The flashcard must work the memory.
  - If flashcards only contain notes then no **retrieval practice** will be happening.





# How to make flashcards

2. Ensure the right questions and knowledge are on the cards.

3. Keep information as short as possible.

4. Write clearly. You should be able to read what you wrote at a very quick glance.



# How to make flashcards

5. Use different **coloured cards** or **pens** to categorise your flashcards. For example, use a different colour for each subject or topic. This can help your brain to categorise information better.



# Being smart when using flashcards

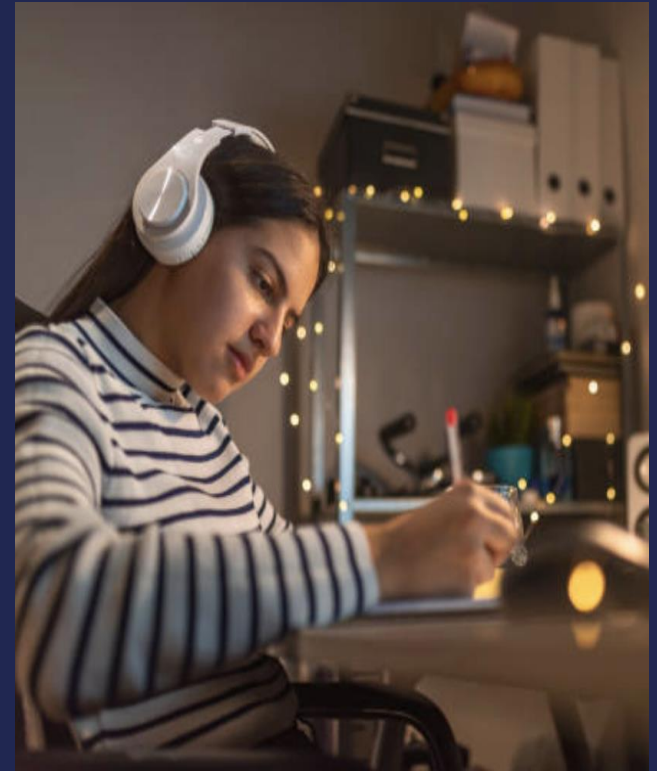
Studies have found that it's more effective to **review a whole stack of cards in one sitting** rather than to carry them around with you and glance at them every so often.

Flashcards are not an effective method for last-minute cramming!

# Being smart when using flashcards

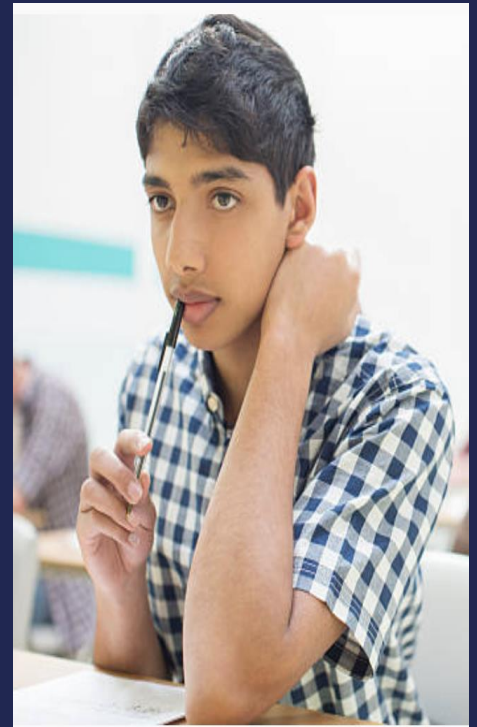
## Use Spaced repetition -

Review your cards at specific, increasing intervals: for example on Day 1, Day 2, Day 4, Day 8 and so on. Spaced repetition works because it activates your long-term memory, while leaving small breaks in-between studying uses your short-term memory.



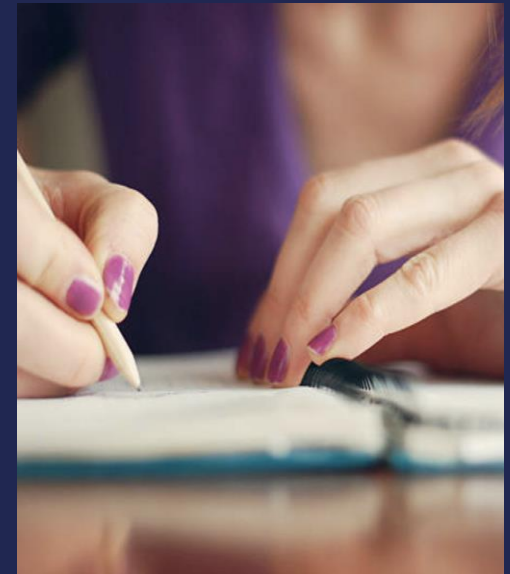
# Being smart when using flashcards

- Make sure you have a **'thinking pause'** after picking one up and reading the question, then turn the card over to read the information.
- Once you get an answer right using your flashcards – **DO NOT DISCARD IT!** You need to keep **repeating the questions** even if you get it right multiple times otherwise it will fall off your memory.



# Being smart when using flashcards

- As well as retrieving your knowledge, **try writing the answer or definition in your own words and giving examples.** This will help your learning and recall.
- **Try ‘interleaving’.** Once you have several decks of flashcards for different subjects and topics try mixing them up. This will test your knowledge across subjects in a single session. Make sure **you are confident** enough to do this every so often.



# Use a **system** to revise with flashcards

The **Leitner system** is a well-known and very effective method of using flashcards. It's a form of **spaced repetition** that helps you study the cards you don't know more often than the cards you know well.

In the 1970s, a German populariser of science, Sebastian Leitner, developed the method.

# Leitner System – The Method

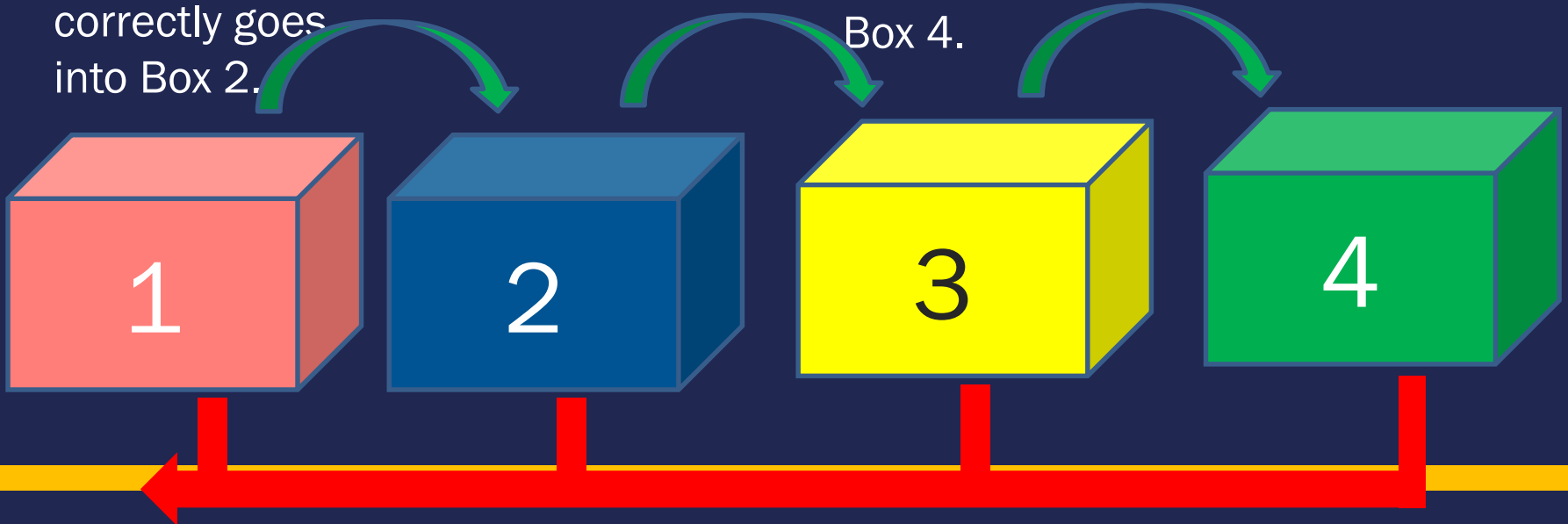
All flash cards start off in Box / Stack 1.

As you review the cards, each card you answer correctly goes into Box 2.

If you give the wrong answer the card stays in box 1.

When you review cards in Box 2, if you still get it right you move the card to box 3 and so on until all cards are in Box 4.

If you get a card wrong in any box, it goes back to Box 1.





# Leitner System – The Key

The key is that the cards you know less well are reviewed more frequently than the cards in the higher boxes.

You now must choose the frequency at which you review each box.

Box 1: Every day

Box 2: Every 2 days

Box 3: Every 3 days

Box 4: Every 4 days

# Remember...



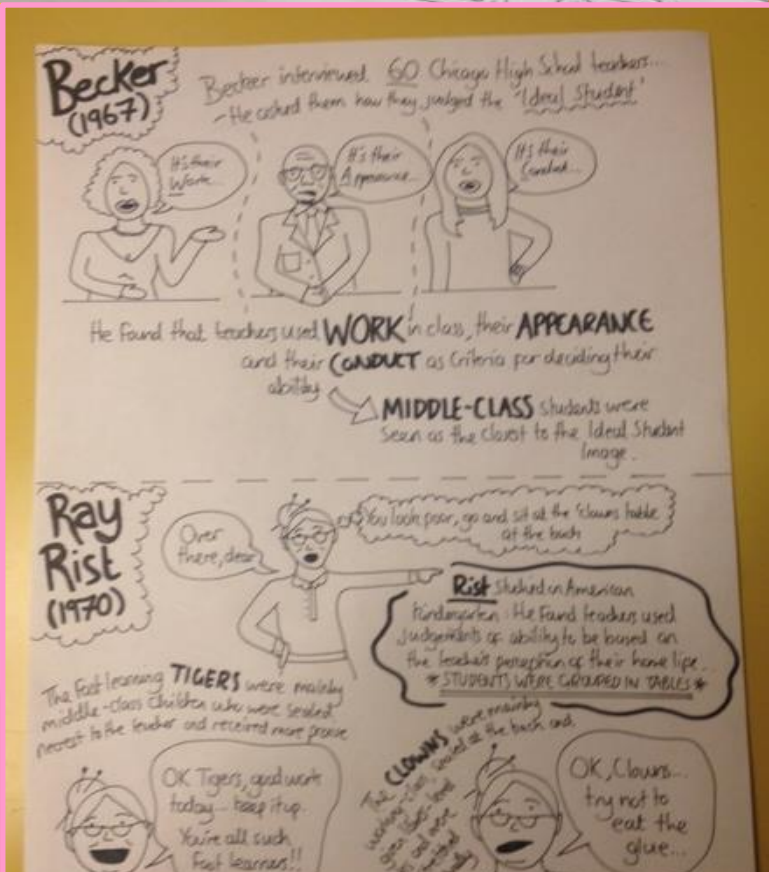
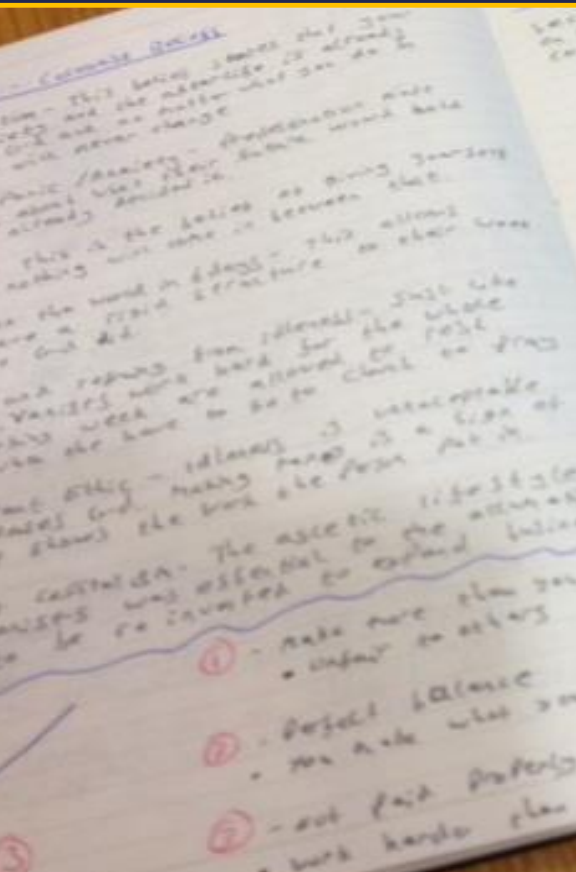
Flashcards should be used to **test knowledge**, not just as a way to **condense notes further**.

Rereading notes is a passive learning activity so is not an economical use of revision time.

# Revising Mathematics

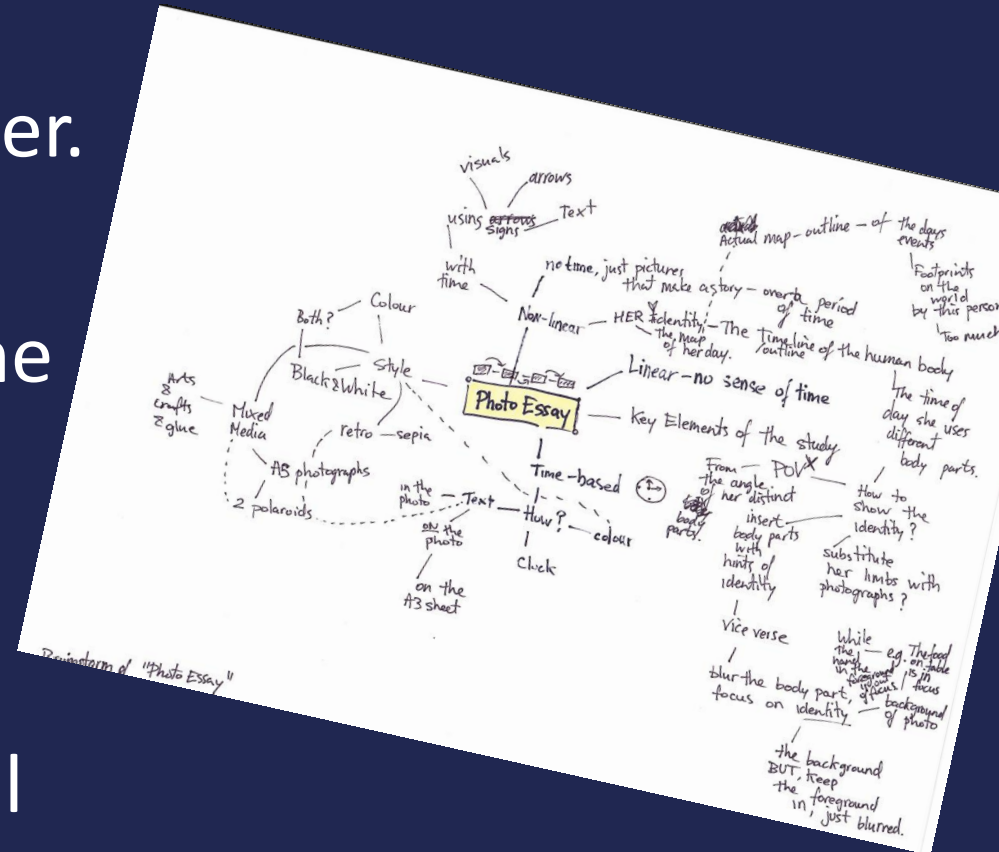
- Learn formulae (use flashcards)
- Test learning by practising questions
- Re-do homework questions without notes and then check answers
- Check how to set out method correctly from notebook
- Identify any topics of concern and speak to teacher

# Revision books - mix it up!



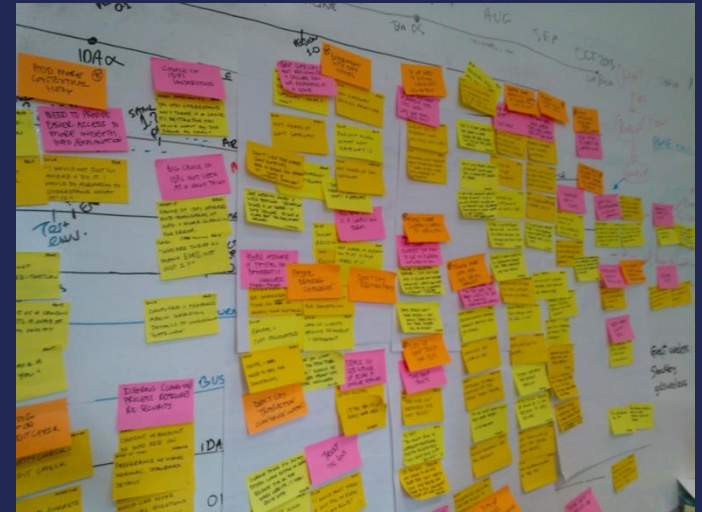
# Mind map Papers

- Write an essay or exam questions on A3/A4 paper.
- Mind map as much as possible in relation to the question.
- When finished, the student can use their notes to add more detail (*in another colour so they know what to go over*)



# Post-its and posters

- Movable revision!
- Students can stick them around the house
- Don't let students put them EVERYWHERE— it may be overwhelming





# RAGing

- For unit topics
- For subtopics
- For specific key terms/ key events etc.
- Auditing knowledge

Revision Tip

# Paragraph Summaries

# HIGHLIGHTING DOESN'T WORK!

It can be a good method for picking out key chunks of information or key words – but how many times have your child's sheets looked like this?



# Why doesn't highlighting work?

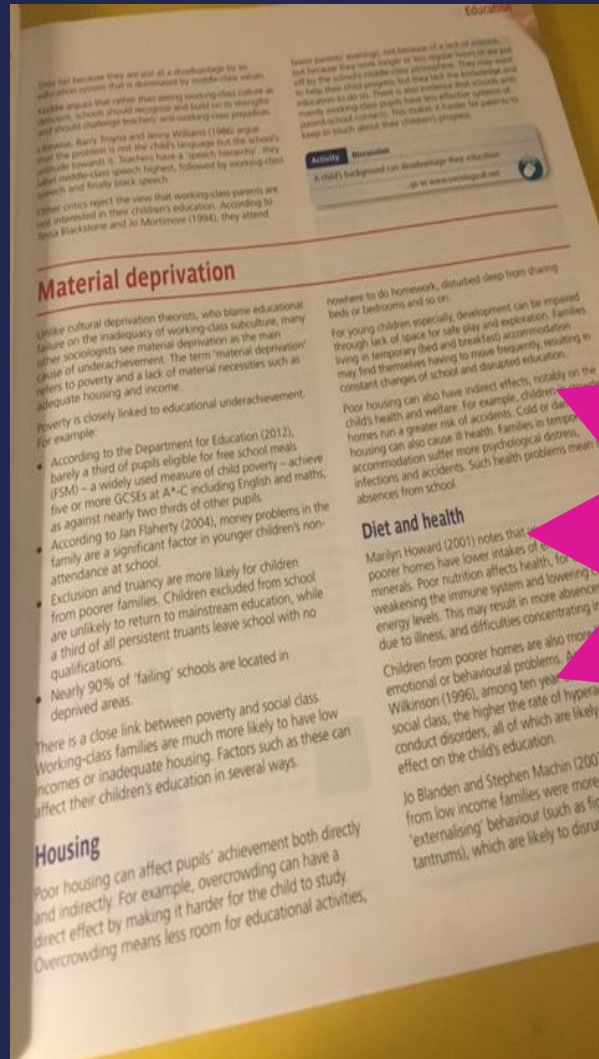
- One of the main problems is that it is already a very familiar strategy and using it **involves little effort.**
- Most people don't have a strategy for highlighting.
- Another reason to ditch the highlighters is that **when a revision technique feels too easy, it usually is.**
- Scientists have found that successful revision should involve **'desirable difficulty'.**
- The added difficulty is harder to stick with but it proves **longer lasting in the memory.**

# Try this instead...

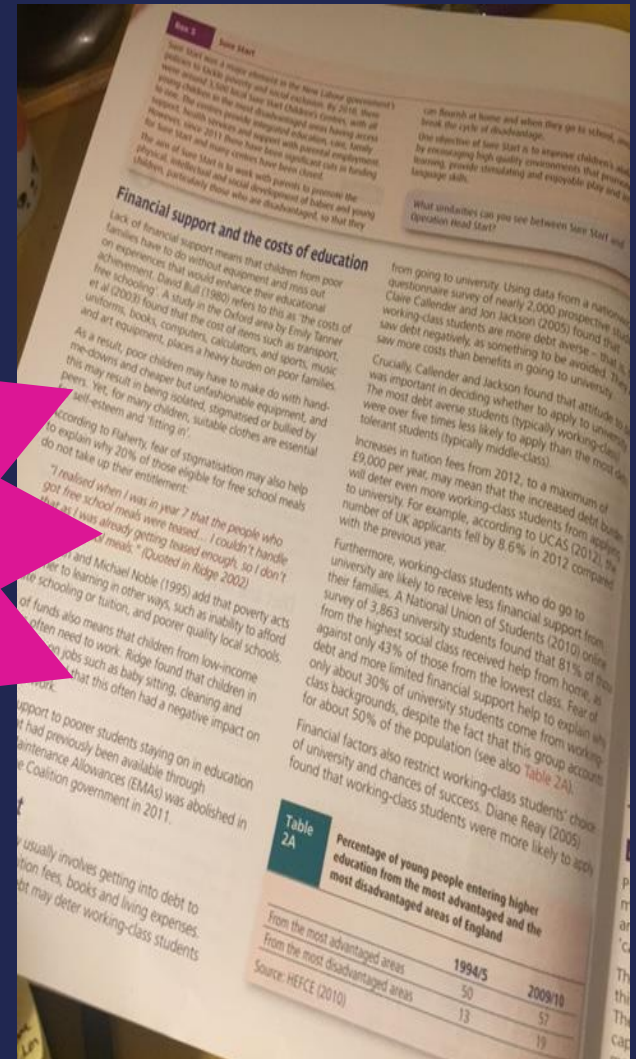
- At home, set the task of reading through a text and making notes, ask your child to write a post-it summary at the end of each paragraph.
- This exercise forces them to extract the key meaning from the paragraph and reduce it down to something more palatable and memorable.



e.g.

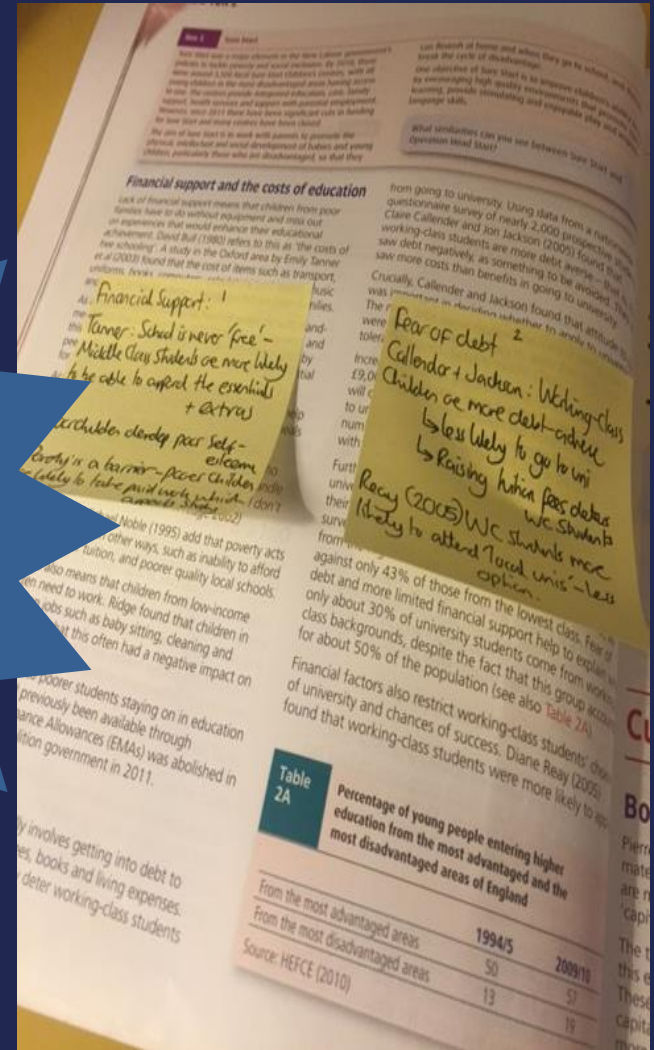
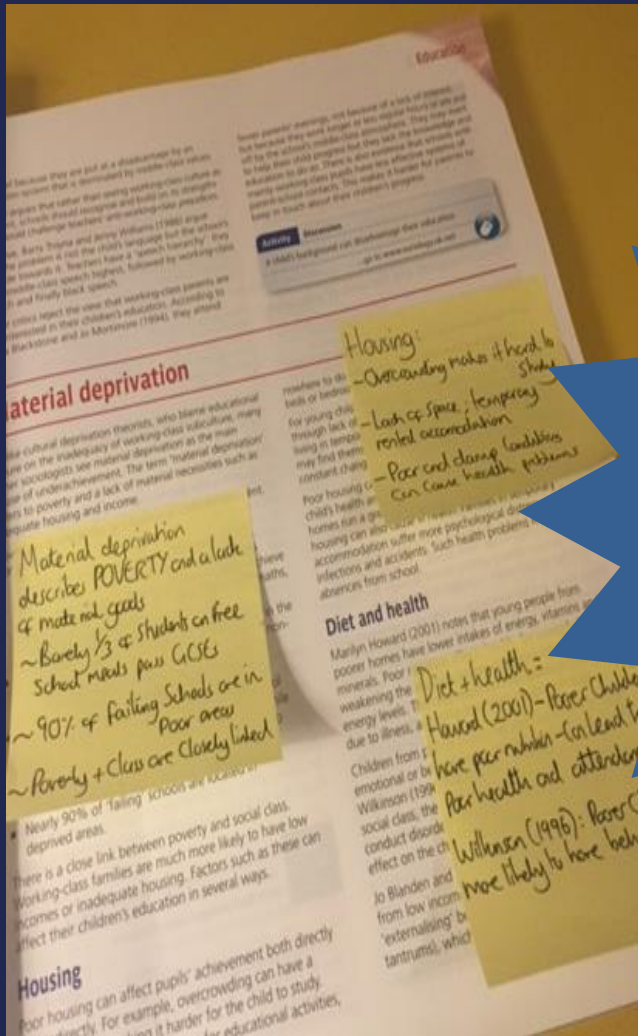


From  
these  
two  
pages in  
a text  
book...





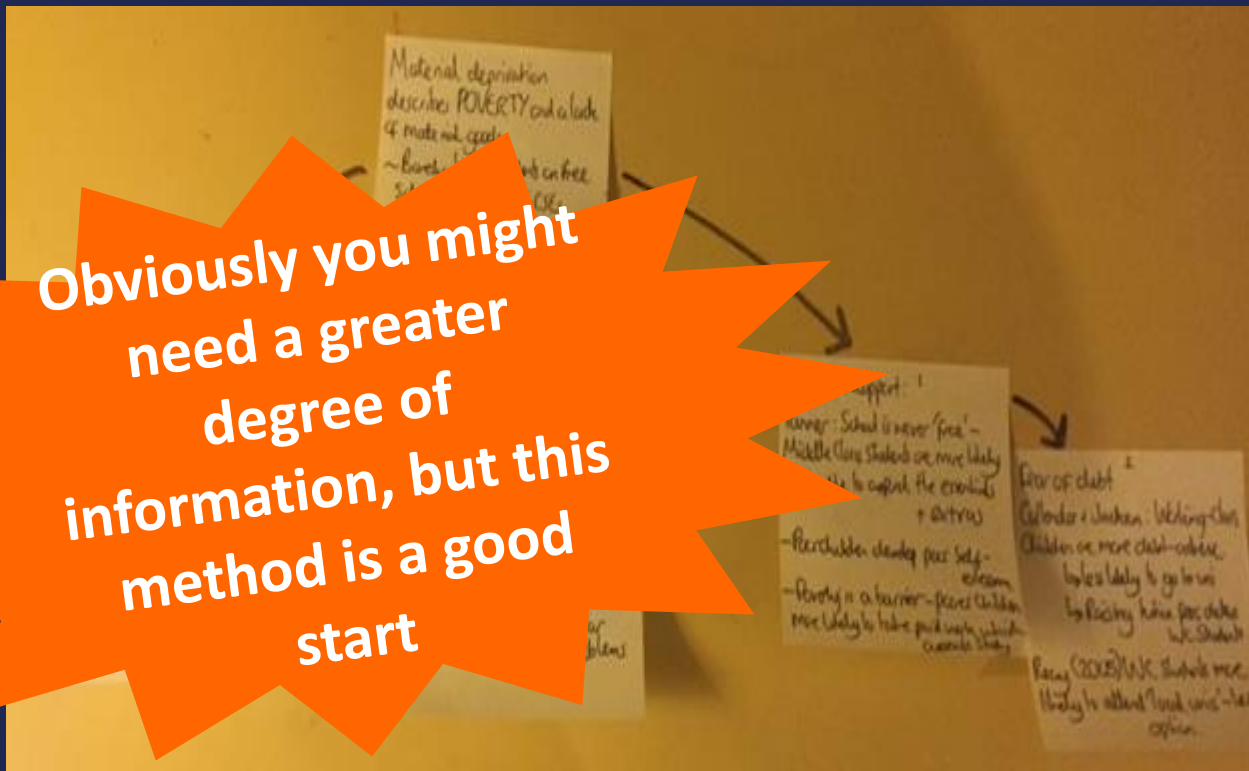
# To 5 brief Post- Its



If you then take the post-its away from the text, you have a series of notes that can be arranged

- For self-testing
- To sequence key points into a flowchart or diagram

Obviously you might need a greater degree of information, but this method is a good start



# *SO to summarise...*

How to support effective pupil revision:

Make sure your child knows **WHAT** they need to learn

Make sure they now **WHEN / HOW** they will be assessed and make sure revision is distributed and interleaved practice

Show them **HOW** to test themselves or test them yourself with the flashcards

**WHERE** to go for help

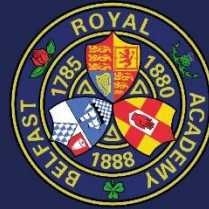
# Finally, keep a balance

- Revision
- A good night's sleep
- Exercise
- Relaxation





A collage of images representing the Belfast Royal Academy. The top right corner features the text "BELFAST ROYAL ACADEMY" in large, white, sans-serif capital letters. Below the text is a circular crest with a blue border containing the words "ROYAL ACADEMY" and "BELFAST". The center of the crest features a shield with various symbols, including a cross and a crown, with the years "1885" and "1888" on either side. The collage includes several photographs: students in a classroom setting, a large, ornate building with a clock tower, a swimming pool with a green roof, a group of students in a band, and a student in a lab coat. The background is a dark blue gradient with geometric shapes in shades of blue and grey.



# How to Revise