How to get the best from your revision

- *What did you have for dinner last Friday?*
- *How many doors have you walked through at Brookvale Groby tonight?*
- *Can you remember your home phone number when you were growing up?*

Tonight's Session

- 1. What are the best revision strategies?
- 2. What can I do if it is not sticking?

Experiment

Equipment:

Person A

Person B

Experiment

Person B: Close your eyes

Group A

You have been shipwrecked on an Island with 7 other people. There is no running water, no means of communication and you are likely to be here for some time.

When you see the list of words please rate each one on a scale of 1 – 5 as to how necessary each is to aiding your survival.

(1 – not necessary : 5 – vital)

Experiment

Person A: Close your eyes

Group B

You will see a list of words.

Please count the number of vowels in each word.

Word List

- ✓ The words will appear here.
- ✓ Your task is to recall as many words as possible.
- ✓ Do not write anything until the list has finished.

Bacteria

Body

Institute

Journal

Opium

Contract

Magazine

Hostage

Sunrise

Tomb

Recall Task

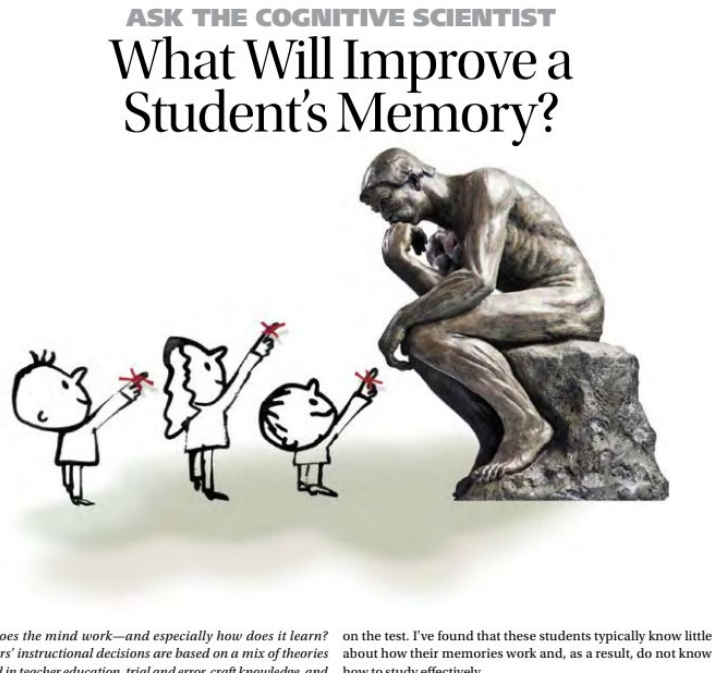
Please recall as many of the different words as you can.

Recall Task

Bacteria
Body
Institute
Journal
Opium
Contract
Magazine
Hostage
Sunrise
Tomb

Daniel Willingham

"Memory is the residue of thought."



ASK THE COGNITIVE SCIENTIST

What Will Improve a Student's Memory?

How does the mind work—and especially how does it learn? Teachers' instructional decisions are based on a mix of theories learned in teacher education, trial and error, craft knowledge, and

on the test. I've found that these students typically know little about how their memories work and, as a result, do not know how to study effectively.

Tonight's Session

- 1. What are the best revision strategies?
- 2. What can I do if it is not sticking?

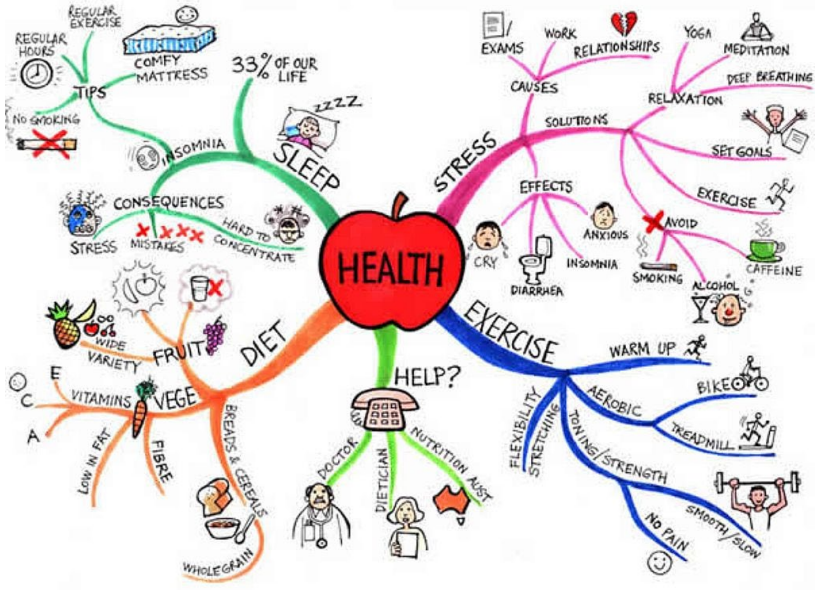
Active not passive

Active not passive

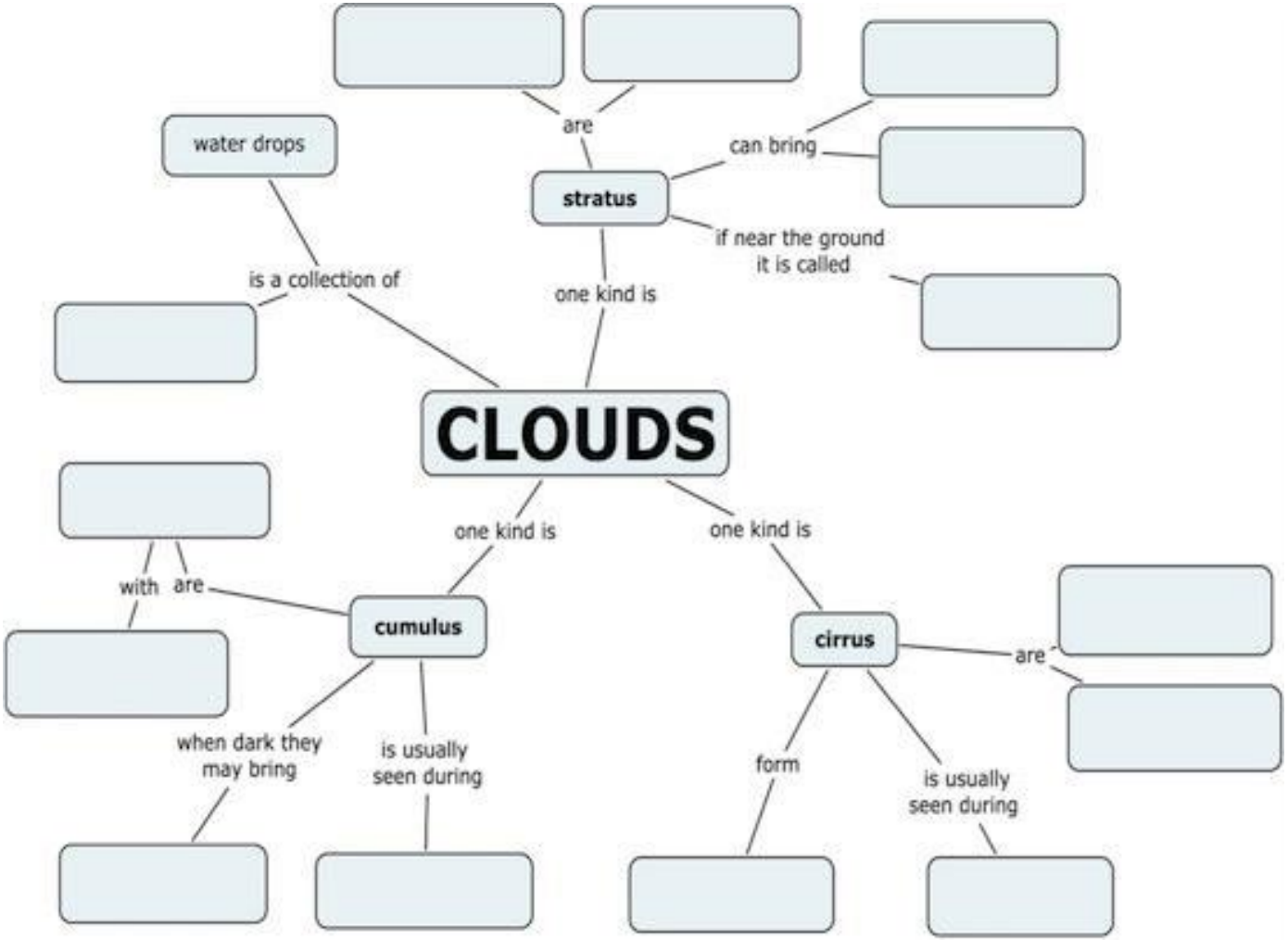
5 key revision strategies

Active not passive

1. Retrieval Practice - What do you already know?



IMPORTANT: check your notes/guide for accuracy after


CLOUDS
one kind is
stratus
are
can bring
if near the ground it is called
one kind is
water drops
is a collection of
one kind is
cumulus
with
are
when dark they may bring
is usually seen during
one kind is
cirrus
are
form
is usually seen during

Character Summaries
Macbeth - A warlike Scottish Thane (Lord) who betrays and murders his king for power. He is the tragic hero who suffers downfall. **Lady Macbeth** - Macbeth's ambitious and manipulative wife. **Duncan** - A good and benevolent Scottish king murdered by Macbeth. **Banquo** - Macbeth's noble friend, who also receives a prediction from the witches. Banquo has a son called Fleance. **Macduff** - A Scottish Lord who seeks revenge on Macbeth. **Witches** - Three 'weird sisters' who offer Macbeth

Character Summaries

____ - A warlike Scottish Thane (Lord) who betrays and murders his king for power. He is the tragic hero who suffers downfall.

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_____ - Macbeth's noble friend, who also receives a prediction from the witches. Banquo has a son called Fleance.

_____ - A Scottish Lord who seeks revenge on Macbeth.

_____ - Three 'weird sisters' who offer Macbeth various prophecies.

_____ - Duncan's son and heir, who flees to England

1	L’*nn** d*rn**r*	*Last Year*
2	J* s**s *ll*	*I went*
3	*v*c m* f*m*ll*	*With my family*
4	*n * v*y*g* *n...	*We travelled by...*
5	c’*t**t...	*It was*
6	J* s**s r*st* d*ns...	*I stayed in...*
7	L* p*sc*n* *t**t gr*nd* *t *m*s*nt*	*The pool was big and fun*
8	J’** v*s*t* d*s m*n*m*nts	*I visited some monuments*
9	*l f**s**t ch**d	*It was hot*
10	J* v**dr**s r*t**rn*r	*I would like to return*

1	L’a d	*Last Year*
2	J s a	*I went*
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5	c’t...	*It was*
6	J s r d...	*I stayed in...*
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1		***Last Year***
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5		***It was***
6		***I stayed in...***
7		***The pool was big and fun***
8		***I visited some monuments***
9		***It was hot***
10		***I would like to return***

Forms of Retrieval Practice

Free recall: Write down everything that you can remember.

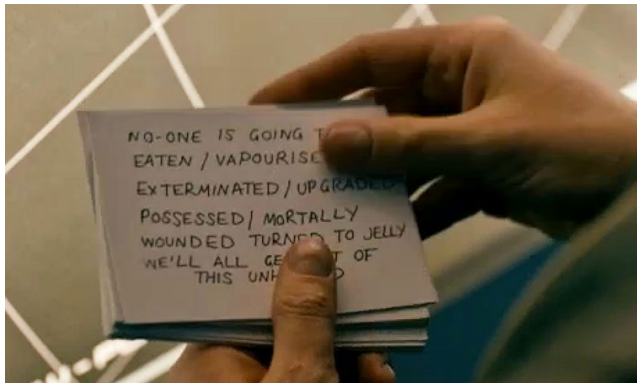
Scaffolded Retrieval: e.g. partially completed concept maps/ prompt questions

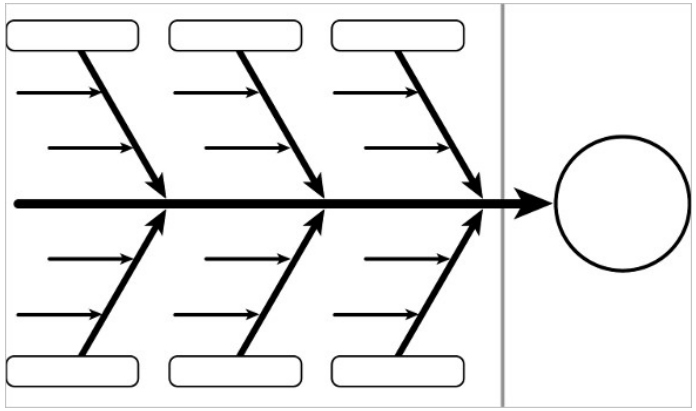
Group discussion

Writing essays

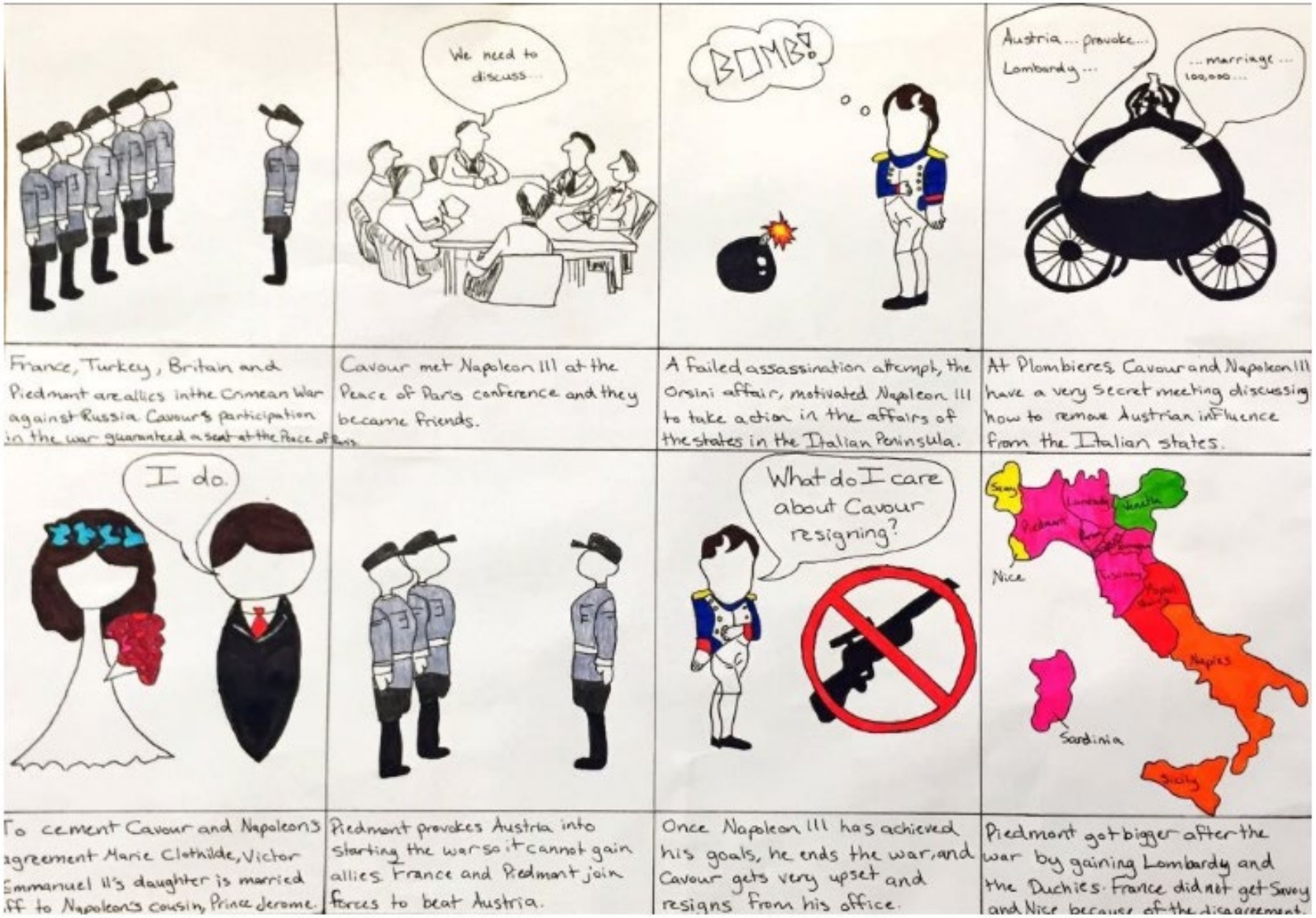
Active not passive

2. Dual coding - Transform notes into visual representations





IMPORTANT: reverse the process, i.e. produce something written or spoken from the visuals



France, Turkey, Britain and Piedmont are allies in the Crimean War against Russia. Cavour's participation in the war guaranteed a seat at the Peace of Paris.

Cavour met Napoleon III at the Peace of Paris conference and they became friends.

A failed assassination attempt, the Orsini affair, motivated Napoleon III to take action in the affairs of the states in the Italian Peninsula.

At Plombieres, Cavour and Napoleon III have a very secret meeting discussing how to remove Austrian influence from the Italian states.

To cement Cavour and Napoleon's agreement Marie Clothilde, Victor Emmanuel II's daughter is married off to Napoleon's cousin, Prince Jerome.

Piedmont provokes Austria into starting the war so it cannot gain allies. France and Piedmont join forces to beat Austria.

Once Napoleon III has achieved his goals, he ends the war, and Cavour gets very upset and resigns from his office.

Piedmont got bigger after the war by gaining Lombardy and the Duchies. France did not get Savoy and Nice because of the disagreement.

A Year 11 GCSE History comic strip overview

Nuclear FUELS

What is it?

It's a substance that is used to produce heat to power turbines. Heat is produced when nuclear fuels undergo the nuclear fission.

The main nuclear fuels are uranium and plutonium. These are radioactive metals. Unlike fossil fuels, nuclear fuels are not burnt to make energy. Instead, nuclear fission reactions in the fuels release energy.

THE PROCESS OF...

Nuclear Fission:

Advantages...

→ unlike fossil fuels, nuclear fuels do not produce carbon dioxide or sulfur dioxide.

→ This helps the global warming slow down.

→ The U.S. saves $12 billion dollars a year for energy costs, thanks to nuclear power!

VS

Disadvantages...

→ fossil fuels and nuclear fuels are non-renewable energy sources. If there is an accident, large amounts of radioactive material could be released into the world.

→ It must be stored safely!

DID YOU KNOW...

→ Enrico Fermi, an American / Italian physicist was the discoverer of nuclear energy.

→ 20% of U.S.'s electricity comes from nuclear energy!

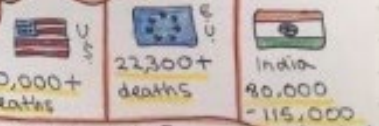
→ France is the most reliant country on nuclear energy.

Reasons Why...

Since the beginning of the industrial revolution, the demands for energy has increased dramatically! Today, most of these demands are met with the combustions of fossil fuels. This is starting to change peoples' minds that because of the rising costs and the harmful effects on the environment caused by fossil fuels, we should look for ways to replace our dependence upon them. Nuclear energy is one of the best options because it has all of the technology required to be used on a large scale!

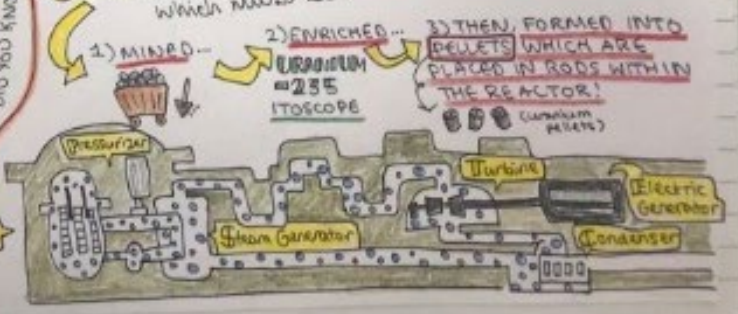
Is it really that dangerous?

Despite the seemingly huge impact reported by the media, there have been no deaths as a direct result of the meltdowns at either of Fukushima or Three Mile Island! Even in the case of Chernobyl, the total number of deaths is quite low. In comparison, deaths due to the use of coal are over 10,000 a year in the U.S. alone, followed by 22,300 deaths per year in Europe and up to 100,000 deaths per year in India.



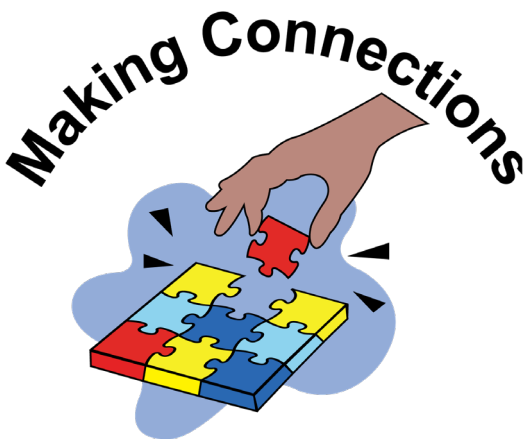
How do nuclear plants work?

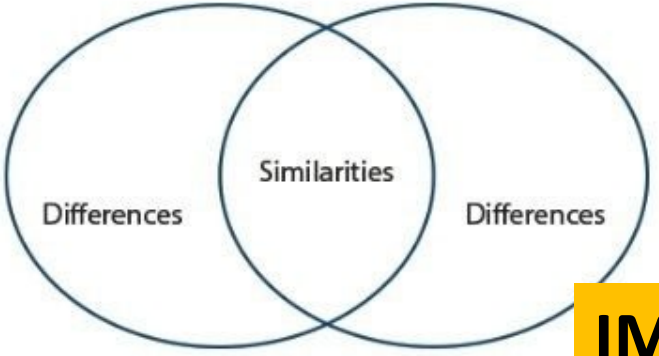
1) First, you have the fuel, usually Uranium, which must be:



Active not passive

<u>3. Go beyond the facts</u> - describe, and explain in detail, ask why?

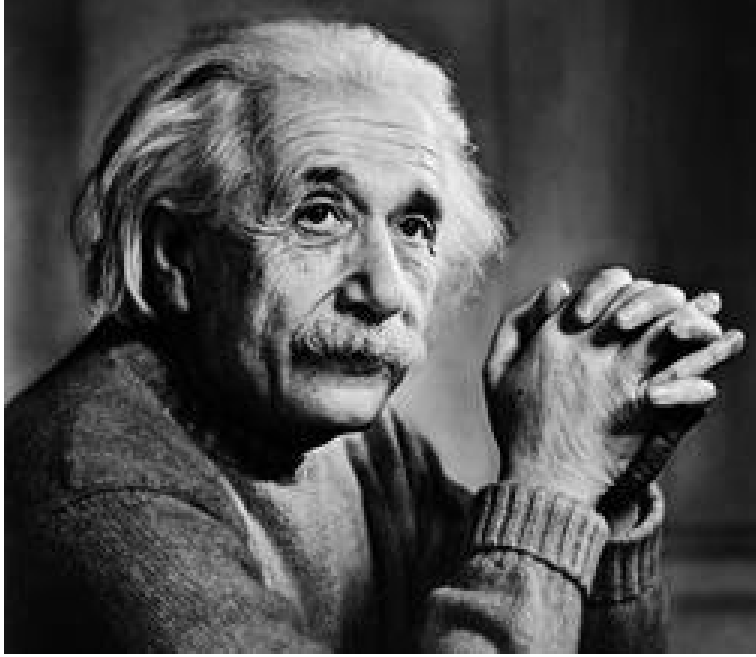




<u>IMPORTANT</u>: work up to being able to describe and explain without looking at notes

If you can't explain it **simply**, you don't understand it well enough.

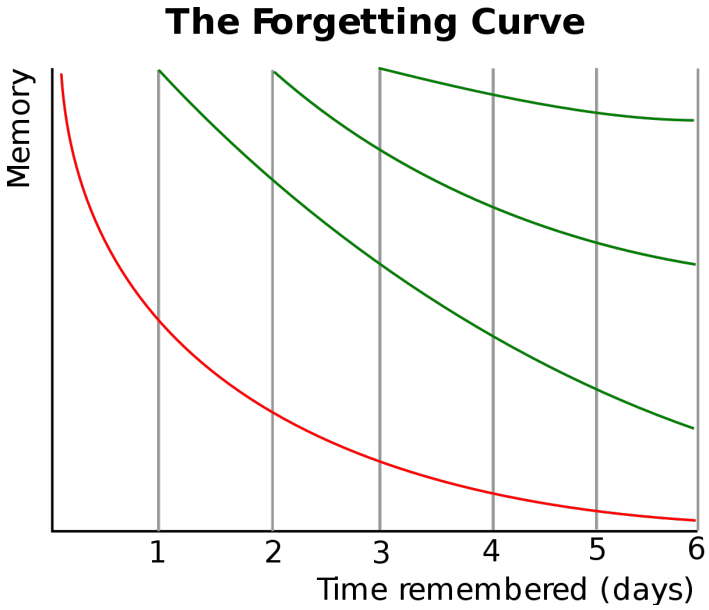
– Albert Einstein

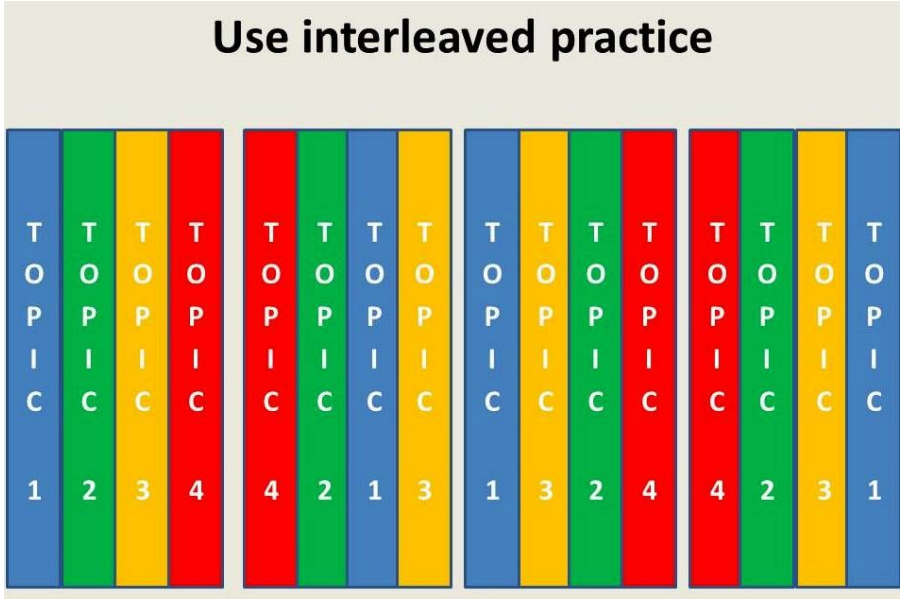


Of course I talk to myself. Sometimes I need expert advice.

Active not passive

4. Space your learning and mix up your revision - have some time to forget!





Herman Ebbinghaus , 1885

Active not passive

5. Deliberate Practice

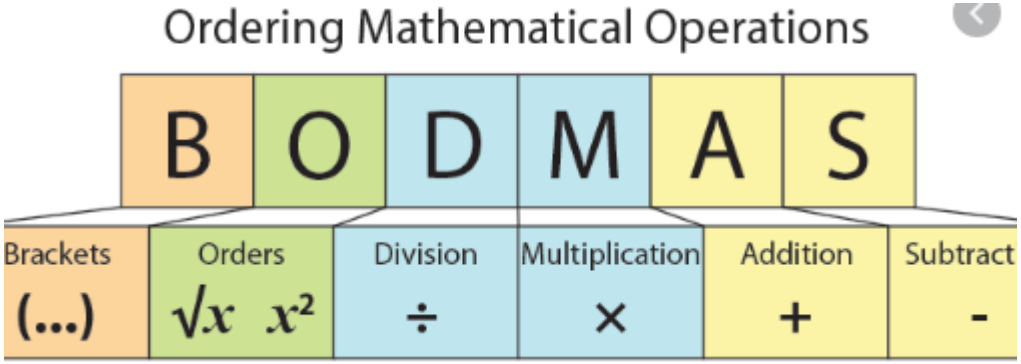
- Past papers!
- Focus on particular questions that you find hard - have you got examples of how to answer?
- Use mark schemes to help you.
- Have you seen an examiner's report?

Herman Ebbinghaus , 1885

Tonight's Session

- 1. What are the best revision strategies?
- 2. What can I do if it is not sticking?

Use Mnemonics



A.V.O.C.A.D.O. =

1. A → Adjectives
2. V → Verbs (Variety of Verbs)
3. O → Opinions
4. C → Connectives
5. A → Adverbs
6. D → Description
7. O → ORIGINALITY

MAIN

Mnemonic Device: MAIN
Explanation: to remember the four MAIN causes of world war 1
Militarism, Alliance System, Imperialism, Nationalism

More Mnemonics for History

Create a memory palace or go on a journey!

Use stories

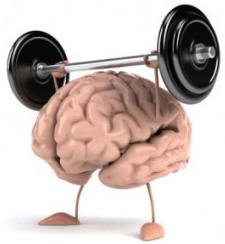
In summary…!

Key strategies to make revision effective

Memory

1. Think about what you want to remember

2. Design cues to stop you from forgetting



3. Keep thinking about what you want to remember!

4. Test yourself

Revision

1. Retrieval Practice

2. Transform notes

3. Go beyond the facts

4. Distribute your revision

5. Practise questions and past papers