



**REVISION**

# Thomas Edison

- I have not failed. I've just found 10,000 ways that won't work.
- Our greatest weakness lies in giving up. The most certain way to succeed is to try just one more time.
- There is no substitute for hard work.

Everyone needs a bit of help!



Generally, it is true to say....

- **Read** something, on average you will retain approximately 30% of that information
- **Read** something and then **discuss it** you will retain approximately 60% of that information
- **Read** something and **actively do** something with what you have read you will retain about 90% of that information

## Passive versus Active

- Passive is simply to read and read and read again, hoping the information will stick
- Active is **doing** something with the information.

Active is always best

## Revision Structure

- The following information is not guesswork, or theory, or a trick.
- This is based on the study of almost 500,000 students revising for all manner of exams. The ones who followed these rules got, on average, at least one grade higher than those who ignored them.

**Irrespective of how 'intelligent' they were.**

How much time should I spend working at any one time?

SIMPLE: 20-22 MINS

- In total?

- No chance!! At any one time.

- You can aim to do  $22 \times 5$  in any one session

## What does one revision session look like then?

- 22 mins
- Little break
- 22 mins (with recap)
- Little break
- 22 mins (with recap)
- Little break
- 22 mins (with recap)
- Little break
- 22 mins (with recap)
- Big Break

## Recapping: 7 is the magic number

- Start your second 22 minute session by recapping the first.
- Start your third session by recapping your second and so on.....
- Recapping works best when you ask **SEVEN** questions or remember **SEVEN** pieces of information about what you have just learnt.

And in those 22 mins?

- Record Cards
- Highlighter Pens
- Bullet Points
- Graphs/Diagrams/Charts
- Patterned notes
- Post-its/posters
- Your room
- Your family



**BUT I LOVE MY COMPUTER**

all my friends live in there

**“I work well in front of the TV”**

- **No you don't!!!!!!**
- **You are kidding yourself**
- **There is research that shows that it would take you 25 hours to revise something in front of the TV when it would take you one hour to revise without.**

## What about Music?

- If it's music you already know - no problem as that is background
- If it's new music or the Radio - big problem.
- New music/DJs interrupt your thinking. In the exam you'll remember song lyrics or what the DJ said. You will not remember the work.

★ JUST ONE ★



★ MORE SCROLL ★



## RECAP

Do a quick recap of the previous topic you revised. About 5 minutes.

*This really helps you to retain the information. Just a quick review of material you revised a few days ago will help you remember it for much longer.*

## LEARN

Choose the topic or go to the next topic on your revision list. Make notes in your own style. Bullets, mind map, paragraphs, diagrams, revision cards, whatever you prefer. Take about 15 - 20 minutes.

*This is really important, because you need to interact with what you're learning. Just reading is not at all effective. Your mind wanders and even if it doesn't you'll retain very little.*

## RECALL

Hide the notes and recreate them. See what you remembered and what you missed. About 5 mins.

*This is the tough bit and the point where your brain works hardest. But it's really important that you try to recall what you have written. Rough notes, written quickly are fine. You've already got a neat set.*

## APPLY

Try a question or two. Exam style questions are best, but other ones help too. About 5 mins.

*This is practise for applying what you know. The more practise you get at this the better. Doing just a question or two regularly really builds skills. Nearer the exam, you MUST do past papers.*

At the end traffic light your work.



## Resources:

<https://www.doddlelearn.co.uk/app/login>

<http://www.bbc.co.uk/education/levels/z98jmp3>

<http://www.my-gcse-science.com/> (core science only)

Revision resources:

[www.quizlet.com](http://www.quizlet.com) - loads of quizzes/flashcards/revision tools/ideas to help you revise

[www.goconqr.com](http://www.goconqr.com) - online quizzes, flashcards.

Online mindmaps:

[www.popplet.com](http://www.popplet.com)

[www.bubbl.us](http://www.bubbl.us)