

# Tips for revising Key Knowledge



*Ideas for getting the best out of working alone, with other students or with non-experts*

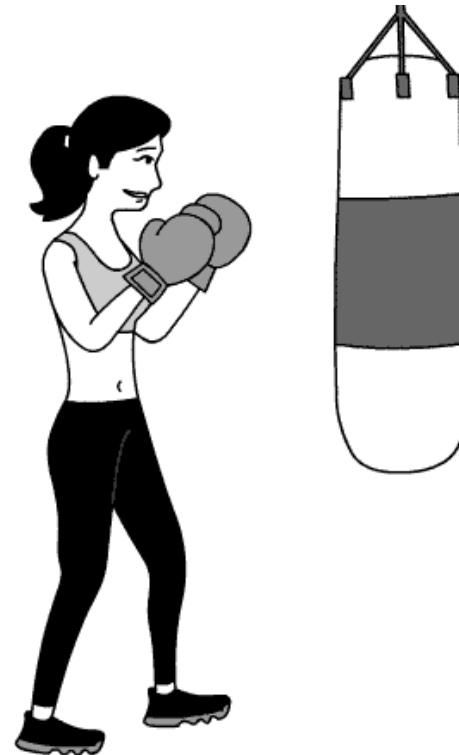


# How to achieve excellence

- Break it up – small chunks
- Lots of regular practice
- Target weaknesses first
- You need to sweat!
- Don't kid yourself:
  - Just reading wastes time
  - Just copying wastes time
- Anyone can help

# The evidence

- Everyone who achieves their target...
- Learning to walk
- Passing your driving test
- Nichola Adams (Gold Medal Olympian)



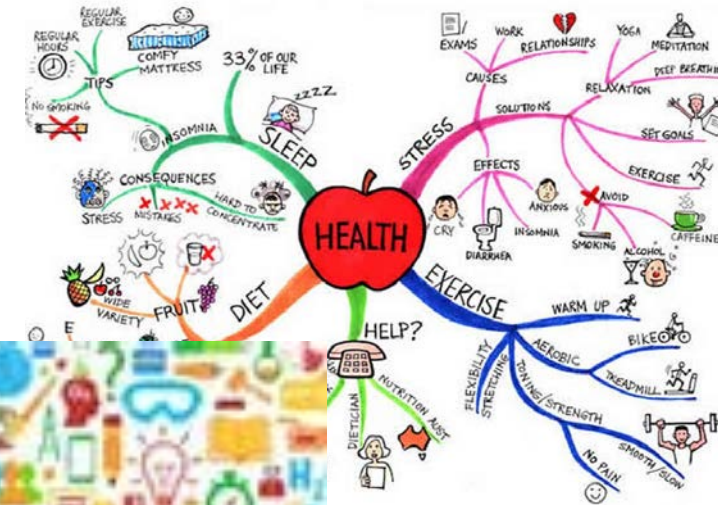
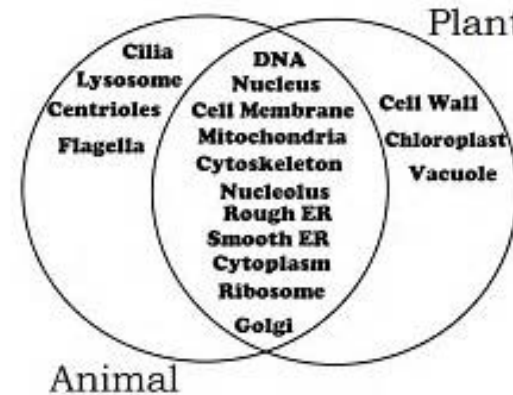
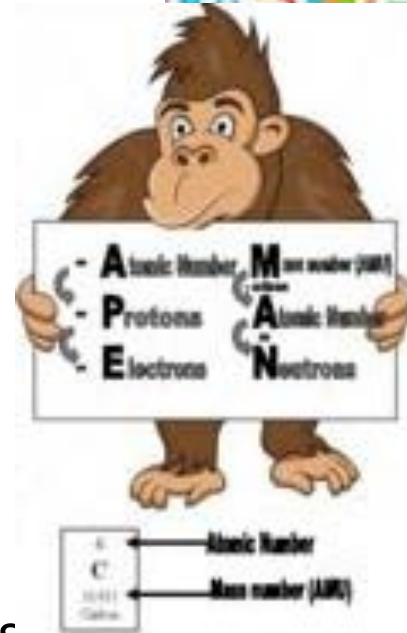
# Rearrange the knowledge

## How

- Transfer knowledge from Knowledge Organiser into another form
  - Mind-maps
  - **Revision flash cards**
  - Pictures that tell a story
  - Poems
  - Mnemonics

## Stretch

- Put definitions in your own words
- Explain your work to someone else



# Questions... Lots of Questions

## How?

- Person 1: Read/draw a definition
- Person 2: What's the key term?
- If studying with another Y11 then swap

## Stretch?

- Person 1: Read the key term
- Person 2: What's the definition?

## Support?

- Pick 5 facts
- Keep going over the same key term until Person 2 is more confident



# Traffic lights for progress

## How


- Do not colour whole boxes – not able to show progress
- Draw a pencil line 1cm down the key terms column
  - **Red** – low confidence in remembering
  - **Yellow** – mid confidence in remembering
  - **Green** – high confidence in remembering
- Repeat this regularly

## Stretch

- Ask someone else to colour it for you - recommended

## Why

- Prioritise low confidence first
- Shows you the progress you make

|  <b>Key points to learn</b> |  |
|---|--|
| Topic P2: Energy transfer by heating  |  |
| 1. Infrared radiation   | A type of electromagnetic wave that transfers heat energy  |
|   | All objects absorb and emit infrared radiation   |
|   | The hotter the object the more infrared radiation it emits   |
| 2. Perfect black body   | An object that absorbs all radiation that hits it (is incident on it). It is the best possible absorber  |
|   | Does not reflect or transmit any radiation   |
| Relationship between absorption and emission  | <ul style="list-style-type: none"> <li>• Good absorbers are good emitters and vice versa</li> <li>• Poor absorbers are poor emitters and vice versa</li> </ul> |

# Look, Say, Cover, Write, Check



## How

- Small number of facts at a time
- Pick on the ones you really get to stick
- Read the definitions and LSCWC the key term

## Stretch

- Read the key term and LSCWC the definition(s)

## Why

- It works!
- Hits multiple cognitive areas

|  |  |
|--|--|
| <br>      | Look at the word.<br>How many parts are there?<br>What are the tricky bits?<br>Can you find any spelling patterns?           |
| <br>     | Say the word to yourself.<br>Break the word into syllables.<br>How many parts are there?<br>What sounds can you hear?        |
| <br>     | Cover up the word so you cannot see it.<br>Picture the word in your mind.  |
| <br>    | Write down the word,<br>remembering how it sounds<br>and what it looks like.   |
| <br> | Check to see if it is correct.<br>Tick the letters you got correct.<br>Write the word correctly<br>if you made any mistakes. |

# Free online quizzing

## How

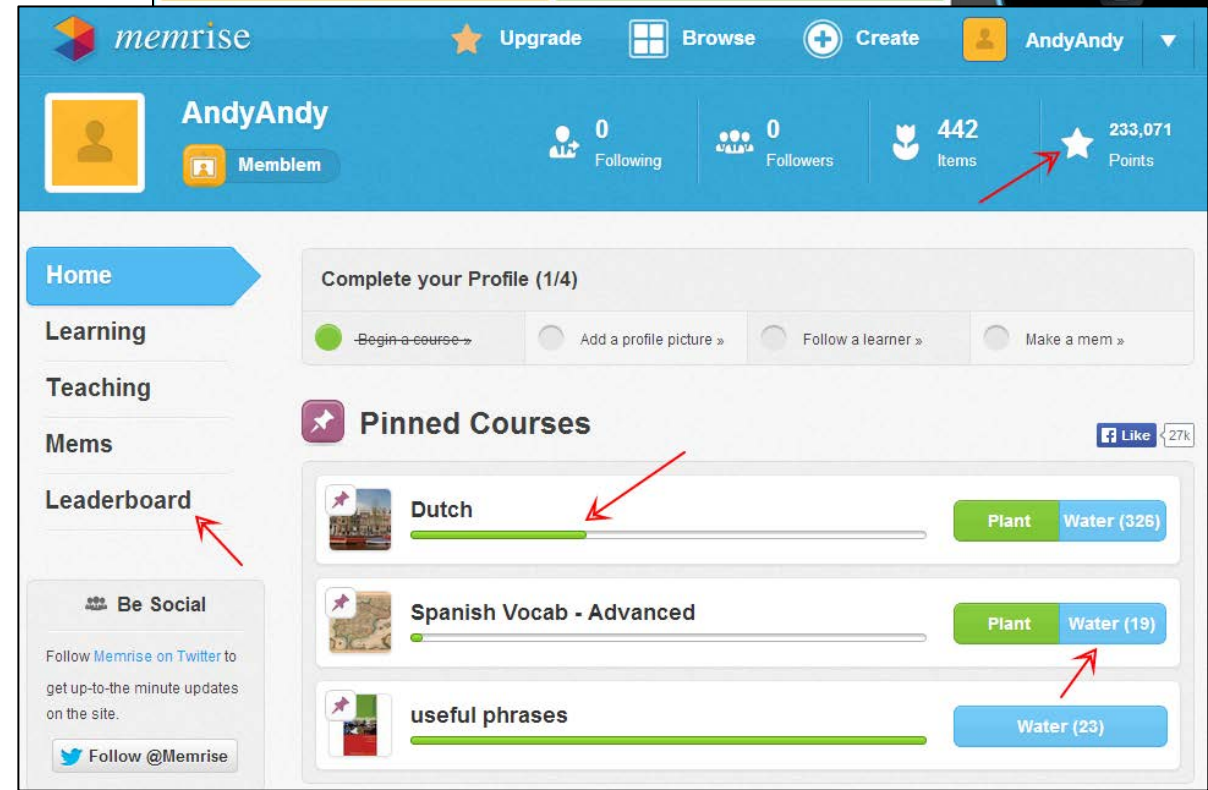
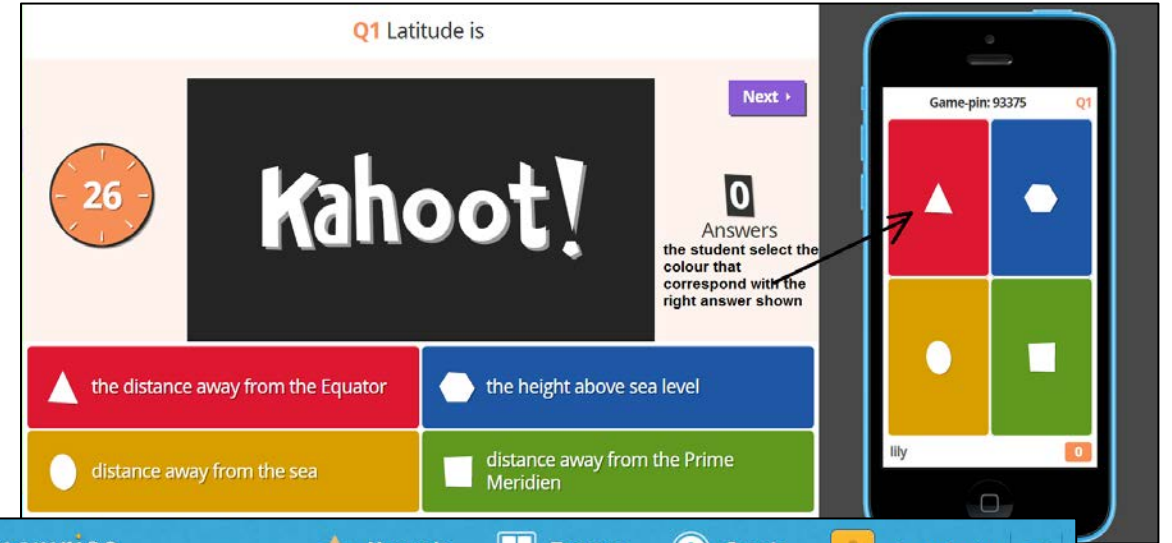
- Kahoot.com
  - Set up account
  - Search for SWAT\_Science
  - Science Dept lunchtime Wk 1, Thur
- Memrise.com
- Do not rely on these alone

## Stretch

- Challenge friends
- Build your own

## Why

- Humans are competitive
- 1000s of quizzes available



# Other available resources

- Science
  - Knowledge organisers
  - The recall Qs (1025)
  - Exam Qs for each Knowledge Organiser
- Other subjects
  - Revision material
  - Past paper Qs

[newmarketacademy.co.uk](http://newmarketacademy.co.uk)

- Revision & Homework

HOME ABOUT US LATEST NEWS LETTERS TO PARENTS NEW STUDENT & ADMISSIONS WHAT'S ON, EVENTS & TRIPS  
TERM DATES UNIFORM RESULTS & ACHIEVEMENTS POLICIES WHERE WE ARE & CONTACTS ENRICHMENT  
ACADEMY INFORMATION BUSES & TRAVEL SPECIAL EDUCATIONAL NEEDS INFO STUDENT AMBASSADORS  
SCHOOLS PARTNERSHIP CAREERS CURRICULUM/DEPARTMENTS HIGHLY ABLE & TALENTED ATTENDANCE  
LITERACY & ACCELERATED LEARNING REVISION & HOMEWORK VACANCIES EMAIL LOGIN GOVERNING BODY SHAREPOINT  
OFSTED 2017



# NEWMARKET

ACADEMY NEWMARKET, SUFFOLK

Revision & Homework

BELOW YOU WILL FIND A SELECTION OF HOMEWORK BOOKLETS TO WORK THROUGH.

CLICK ON A LINK TO DOWNLOAD.

## SCIENCE

Biology Paper 1, Paper 2 & Additional Knowledge

Chemistry Paper 1, Paper 2 & Additional Knowledge

Physics Paper 1, Paper 2 & Additional Knowledge



Find us on:  
**facebook**

Documents

Top 10 Tips for Revision

Top 10 Tips for Revision

Social