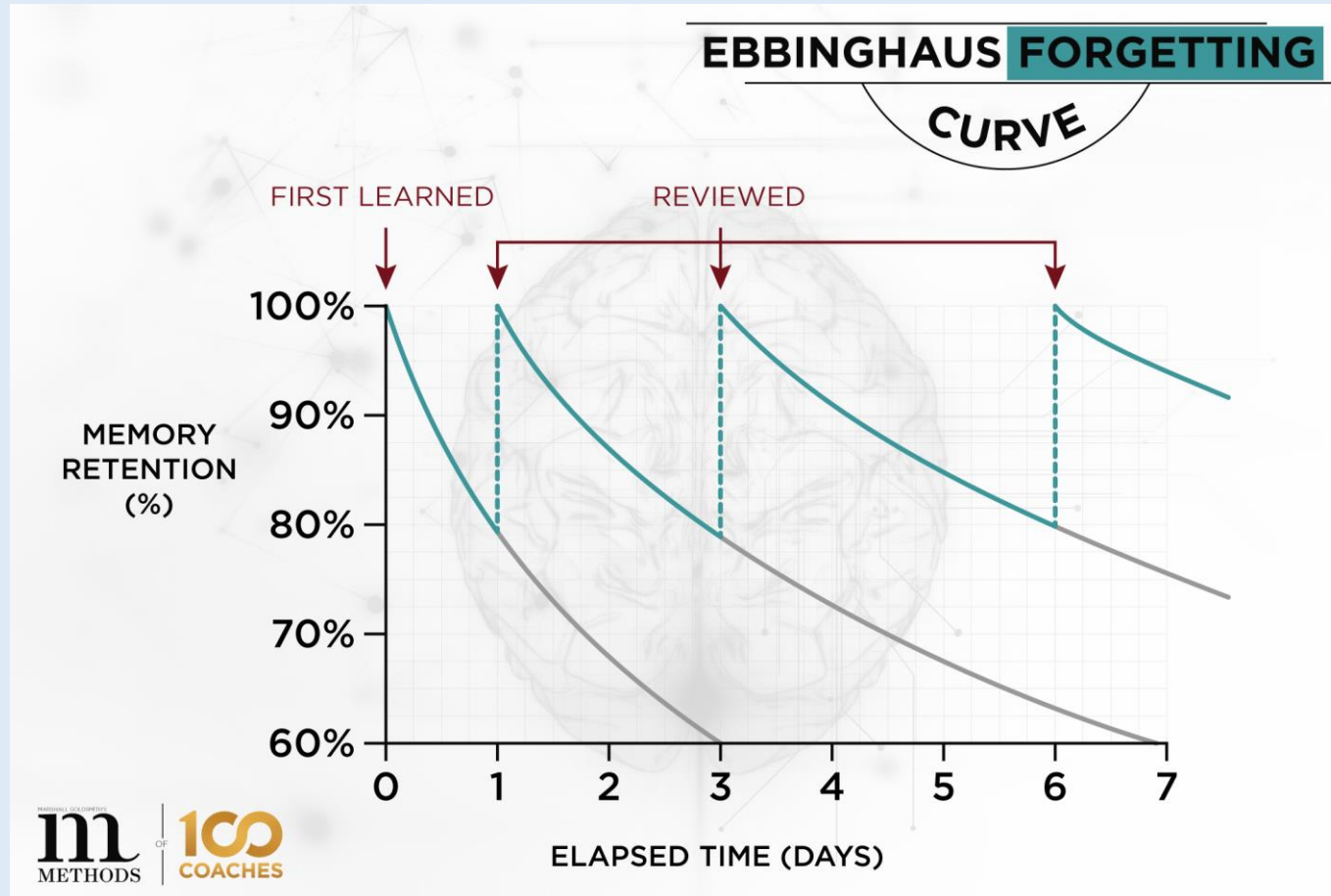
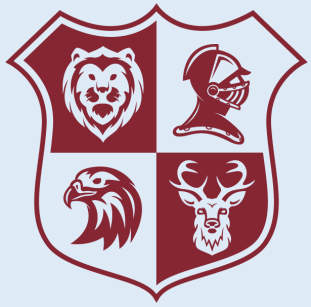


Noadswood Science Department

Supporting GCSE Revision in
Science

Why revise?





Key principles of Science Revision

1. Summarise key information

Videos / Revision Guides

Mindmaps

9 Box grids

2. Memorise core facts

Cover and test

Brainscape cards / Revision cards

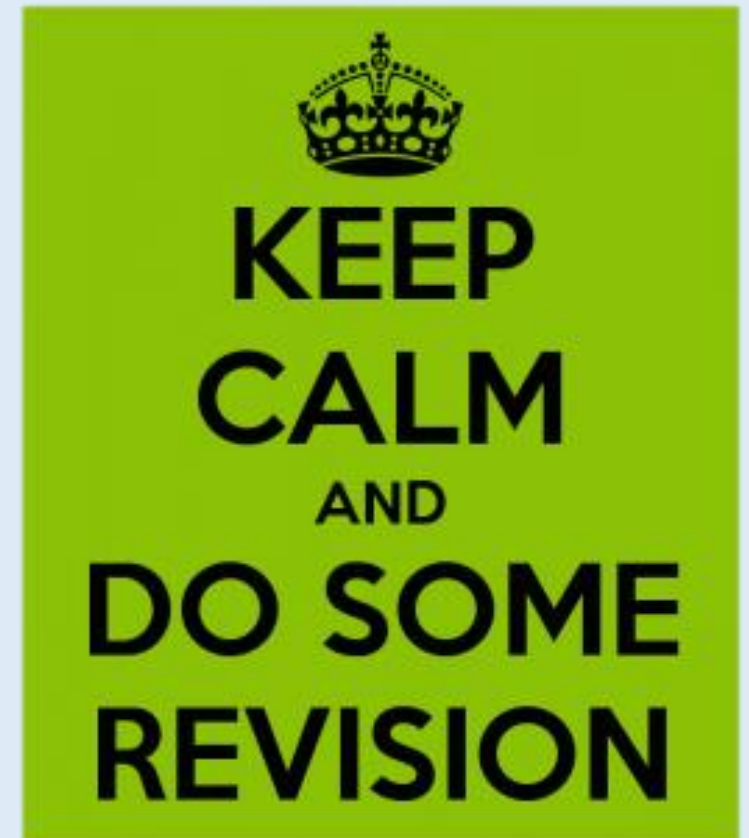
3. Recall practice

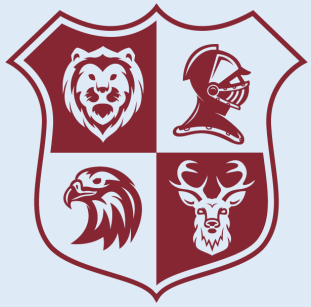
Brainscape cards / Revision cards

4. Practice Questions / Past papers

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice





The Science Frog Page

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice


Science

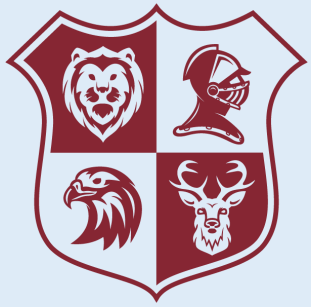
Find all your science resources here:

Home Year 7 Year 8 Key Stage 3 Revision Year 9 Year 10 Year 11 GCSE revision

GCSEs Explained Science in Life Science Book of the Term

Click the link below to access all of the GCSE science resources

 GCSE Science Revision
Find all your revision resources here.



The Science Frog Page

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

GCSE Science Revision

02

Find all your revision resources here.

Home

Brainscape Cards

Videos

Past Papers

Practice Questions

Specification Checklists

Structured Revision Help

Updating Your Revision Guide

Physics Equations

Mini Quizzes to test your knowledge

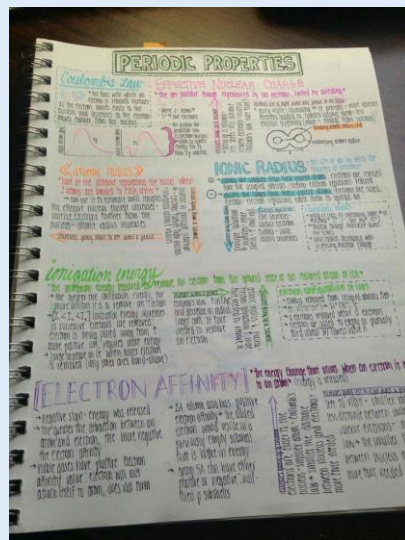
Revision Sites



1) Summarising

Videos / Revision Guide

- Split topics into sections (9 box grid)
- Make key notes

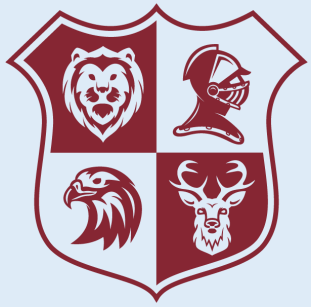


Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

What can we do to help?

- Remind students to use videos and revision guides
- Check progress
- Help with time management
- Organisation

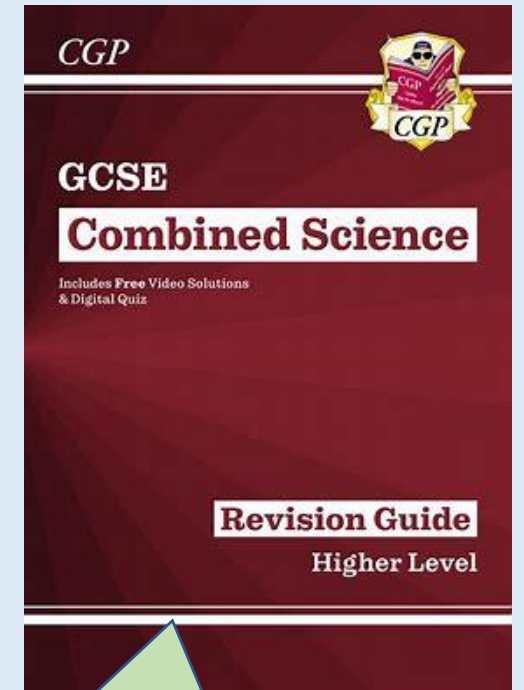


9 Box Grids

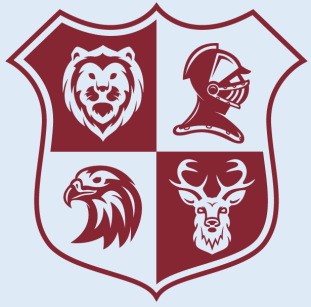
Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

B4 - Bioenergetics		
Photosynthesis	Rate of photosynthesis	Required Practical
Respiration	Metabolism	Anaerobic Respiration
Exercise	Extra notes	



Condense this book into 25(ish) pages



2) Memorise

3) Recall

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

Cover and Test

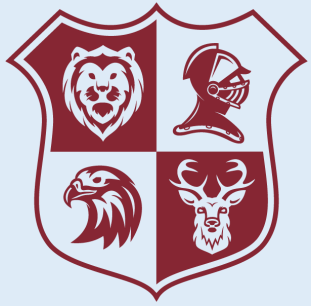
- Cover the information and write down as much as you can remember
- Read the information and add in bits you missed
- Repeat. Repeat. Repeat

Revision cards and brainscape cards

- Start with a small number 4-8
- Read question → Say answer → Check answer
- Repeat. Repeat. Repeat

What can we do to help?

- Encourage pupils to use brainscape/cards during 'free' time e.g. car journeys etc
- Test on new material
- Regularly revisit and test material already revised



4) Practice

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

Practice Questions and Past Papers

- Complete the practice questions under exam conditions
- Fill in every answer even if they do not know – best guess is better than a gap

Mark Schemes

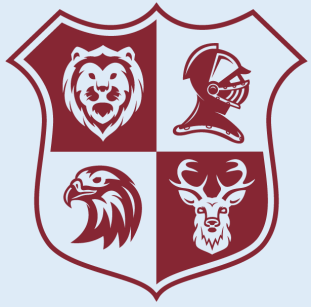
- Mark carefully, filling in corrections

Re-revise

- Go back to areas they got wrong and look over their notes

What can we do to help?

- Remind pupils how important exam practice is. We would not take a driving test without getting in a car!
- Help with marking



Using Revision Cards

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

- 6 cards
- Read question
- Try to answer
- Look at answer
- Repeat

What can we do to help?

- Being tested by someone else is better than testing yourself!

Some good news!

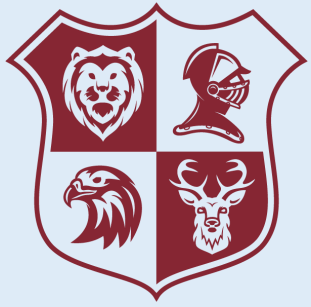
Physics Equations Sheet
GCSE Physics (8463)

1	pressure due to a column of liquid + height of column + density of liquid + gravitational field strength (g)	$p = \rho h g$
2	final velocity ² - initial velocity ² = 2 × acceleration × distance	$v^2 - u^2 = 2 a s$
3	change in momentum force × time taken	$F = \frac{\Delta p}{\Delta t}$
4	elastic potential energy = 0.5 × spring constant × extension ²	$E_e = \frac{1}{2} k x^2$
5	change in thermal energy = mass × specific heat capacity × temperature change	$\Delta E = m c \Delta \theta$
6	period = $\frac{1}{\text{frequency}}$	
7	magnification = $\frac{\text{image height}}{\text{object height}}$	
8	force on a conductor at right angles to a magnetic field carrying a current + magnetic flux density × current × length	$F = B I l$
9	latent energy for a change of state = mass × specific latent heat	$E = m L$
10	potential difference across primary coil potential difference across secondary coil	$\frac{V_1}{N_1} = \frac{V_2}{N_2}$
11	potential difference across primary coil × current in primary coil = potential difference across secondary coil × current in secondary coil	$V_1 I_1 = V_2 I_2$
12	Faraday's constant = volume × constant	$V \times k = \text{constant}$

Students will be given all the Physics equations! 😊

However, students should not be complacent.

Because of everyone will be getting the equations, it is vital that you are able to select, use and rearrange them.



Key ways we can help

Key Principles

- 1) Summarise
- 2) Memorise
- 3) Recall
- 4) Practice

- Organisation
- Keeping them on Track
- Checking progress
- TESTING
- Have they practiced questions
- Encouragement 😊

