



Revision Evening

Welcome to Science!

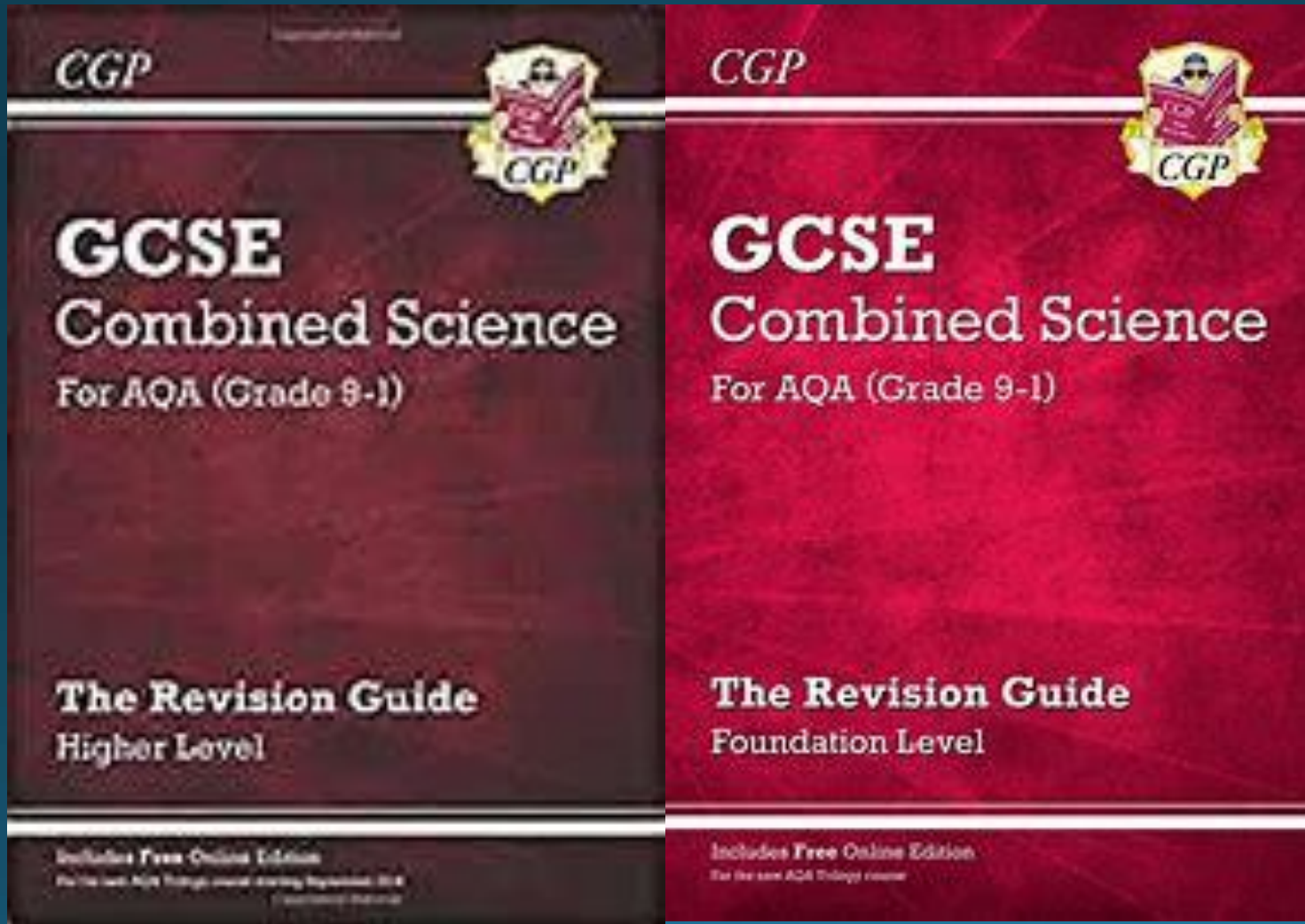
What do the science exams look like?

- We use the exam board AQA (all revision material should say this).
- Students will sit 6 exams – 2 biology, 2 chemistry, 2 physics. Each topic has a 'required practical' which may be asked about
- Students will be told which topics are covered in which exam.

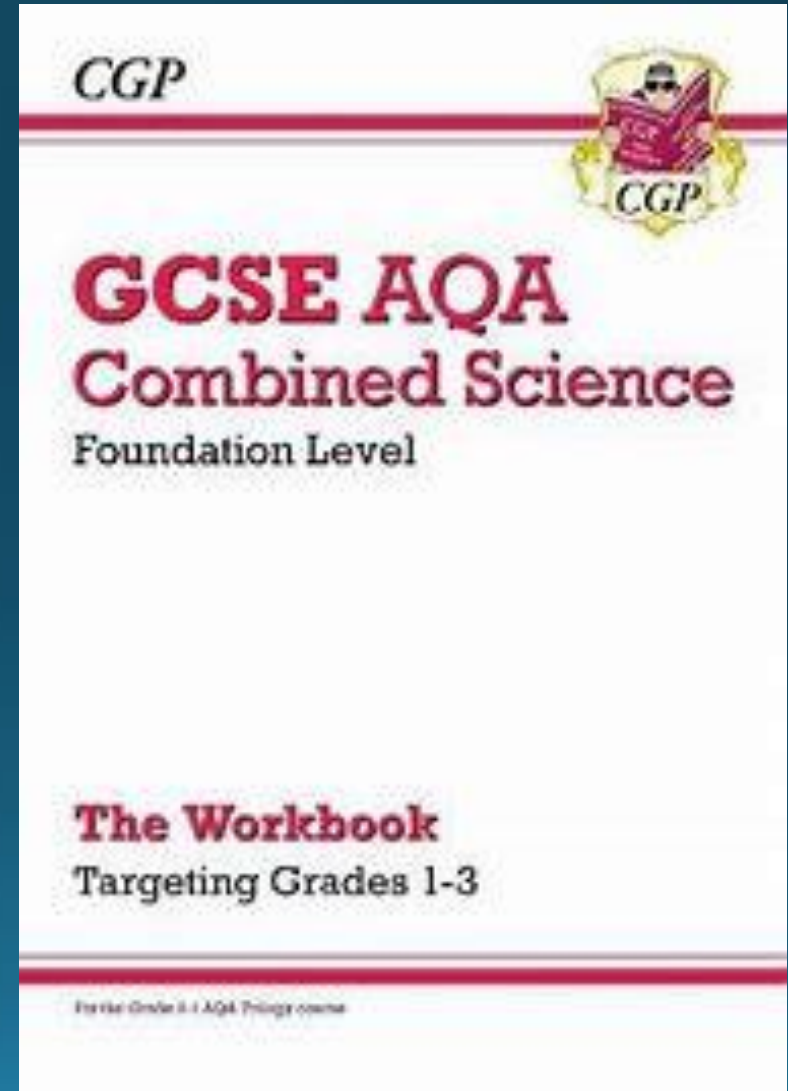
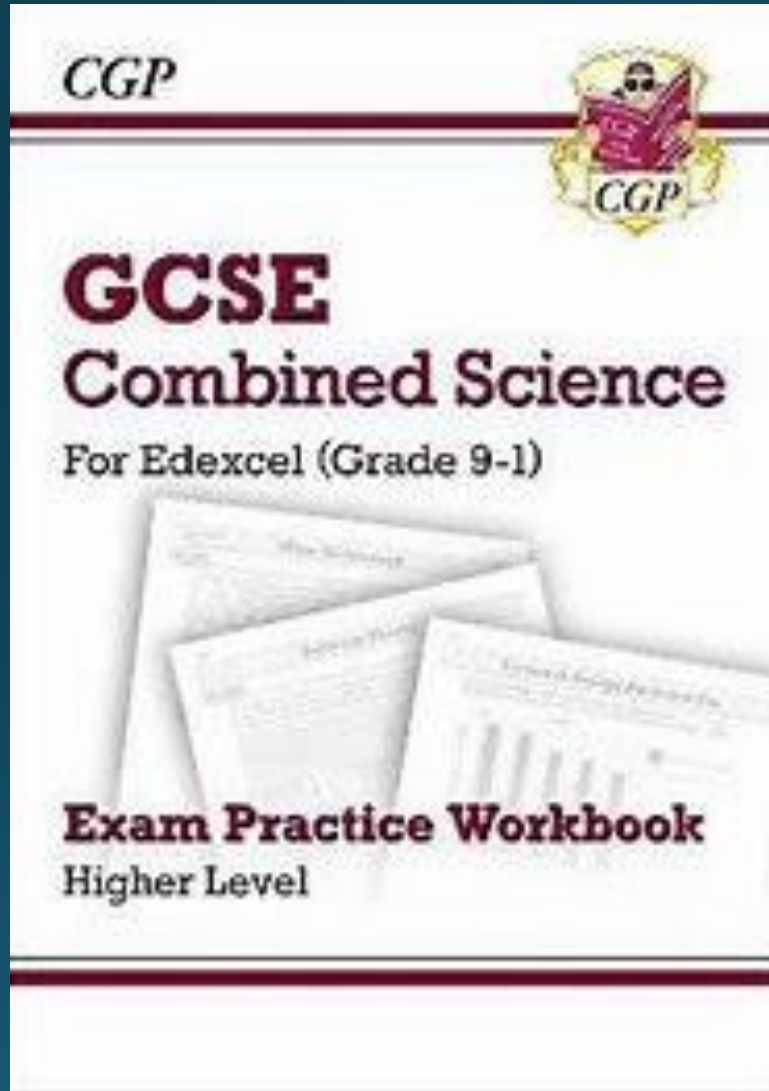
Study skills

- Although we're one combined subject, each 3 of the sciences has a unique set of skills needed in the exams.
- **Biology**: mostly **fact recall**. Students must be able to remember a large amount of information and bring in some application.
- **Chemistry**: highly rooted in problem solving, students must use core knowledge to solve a range of technical questions.
- **Physics**: 40% of the papers are maths based questions. Students still need to know facts but also need to show their working out of mathematical equations. (students will be given the list of most equations to use)
- **Practical skills tested on all papers.**

CGP REVISION RESOURCES: can be purchased through school



CGP REVISION RESOURCES: practice resources



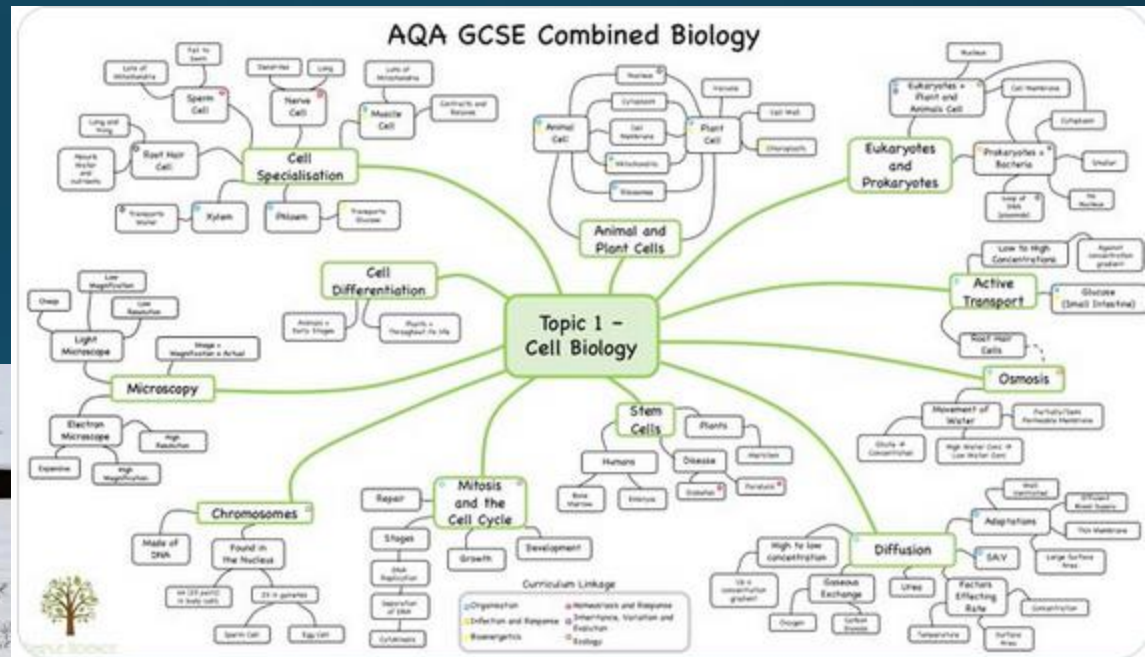
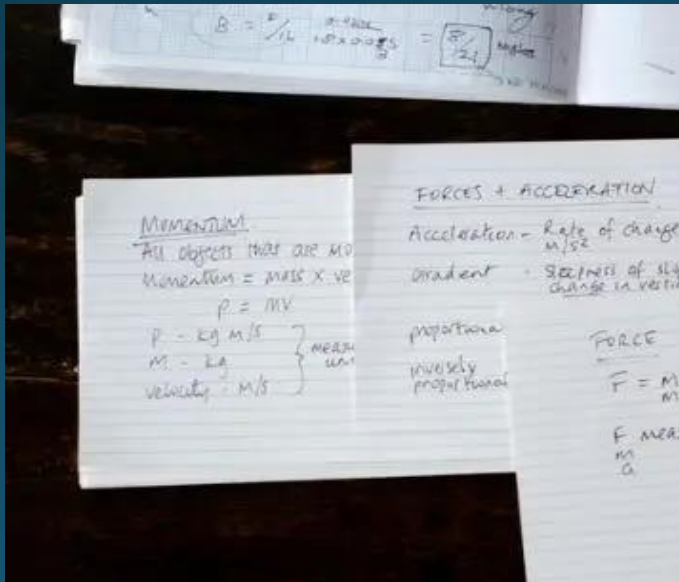
HOMEWORK

- Students will receive exam question practice homework to prepare them for their GCSEs.
- All students will receive homework from their science teacher.

Revision Techniques

Flash Cards

Mind Maps



Flash Cards

- Ideally a question on one side – students practice recall of the information – turn over and check the correct answer.
- Cards they consistently get correct put aside to work on ones which need practice.
- **We will send out resources which can be printed off – no need to make their own.**

Mind Maps

- Good for organising what they need to know – for example can break down content of each science exam and use as a checklist.
- Visual cues can help aid memory and recall.
- **Also available online to save time making their own**

Revision Techniques

Online resources



AQA

Homeostasis and Response

Whole topic

82 topics
GCSE Combined Science or Biology revision

Keep hovering to play

The whole of AQA HOMEOSTASIS and RESPONSE. 9-1 GCSE biology or combined science revision for paper 2
154K views • 5 years ago

Primrose Kitten Academy

I want to help you achieve the grades you (and I) know you are capable of; these grades are the stepping stone to your future.

Homeostasis | Nervous System | The Brain | Cerebral Cortex | Thermoregulatory Center | Pancrea... 14 moments



GCSE Biology Revision "The Nervous System"

YouTube · Freesciencelessons
9 Apr 2018



GCSE Biology Revision "Homeostasis"

YouTube · Freesciencelessons
9 Apr 2018

GCSE Biology quizzes	GCSE Chemistry quizzes	GCSE Physics quizzes
Animal and plant cells Quiz	States of matter Quiz	Energy stores Quiz
Specialised cells Quiz	Atomic structure Quiz	Conductors Quiz
Osmosis Quiz	Periodic table Quiz	Circuit symbols Quiz
Enzymes Quiz	The reactivity series Quiz	Three pin Quiz
The blood Quiz	Acids and alkalis Quiz	Kinetic theory Quiz
Infectious diseases Quiz	Electrolysis of a melt Quiz	Alpha radiation Quiz
Viruses Quiz	Thermal decomposition Quiz	Nuclear fission Quiz
Photosynthesis Quiz	Catalysts Quiz	Speed and distance Quiz
Aerobic respiration 1 Quiz	Distillation Quiz	Electromagnets Quiz
Homeostasis Quiz	Chromatography Quiz	Magnets Quiz
Hormones Quiz	Complete combustion Quiz	Physics equations (1) Quiz

SENECA LEARNING

www.senecalearning.com

Age group: GCSE

Subject: Combined Science

Exam Board: AQA

Interactive revision platform that tracks your progress.



Footprint science

- Animations of processes
- Quizzes – can select the areas that you need to improve on!
- [Footprints-Science | GCSE science animations and quizzes](#)

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Specialised cells Quiz	Atomic structure Quiz	Conduction Quiz
Osmosis Quiz	Periodic table Quiz	Circuit symbols Quiz
Enzymes Quiz	The reactivity series Quiz	Three pin plugs Quiz
The blood Quiz	Acids and alkalis Quiz	Kinetic theory Quiz
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Photosynthesis Quiz	Catalysts Quiz	Speed and velocity Quiz
Aerobic respiration 1 Quiz	Distillation Quiz	Electromagnetic waves Quiz
Homeostasis Quiz	Chromatography Quiz	Magnets Quiz
Hormones Quiz	Complete combustion Quiz	Physics equations (1) Quiz

YouTube videos

- Free Science Lessons – break topics into small chunks, including practical skills. Very detailed explanations in short chunks.
- Primrose Kitten – longer videos of whole topics. More detailed – may be better if less confident in a topic and need a bit of extra explanation

For Exams in 2024 + 2025

The Nervous System

3:40 Biology

GCSE Biology Revision "The Nervous System"

YouTube · Freesciencelessons

9 Apr 2018

10 key moments in this video

For Exams in 2024 + 2025

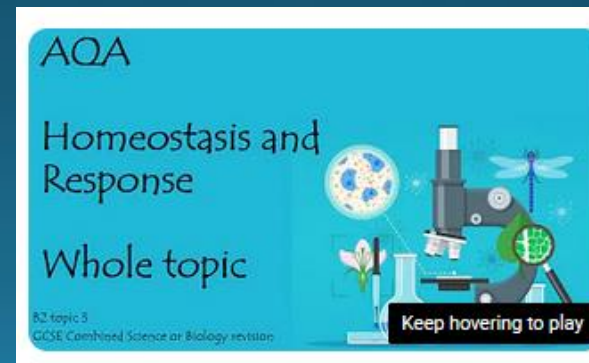
Homeostasis

3:57 Biology

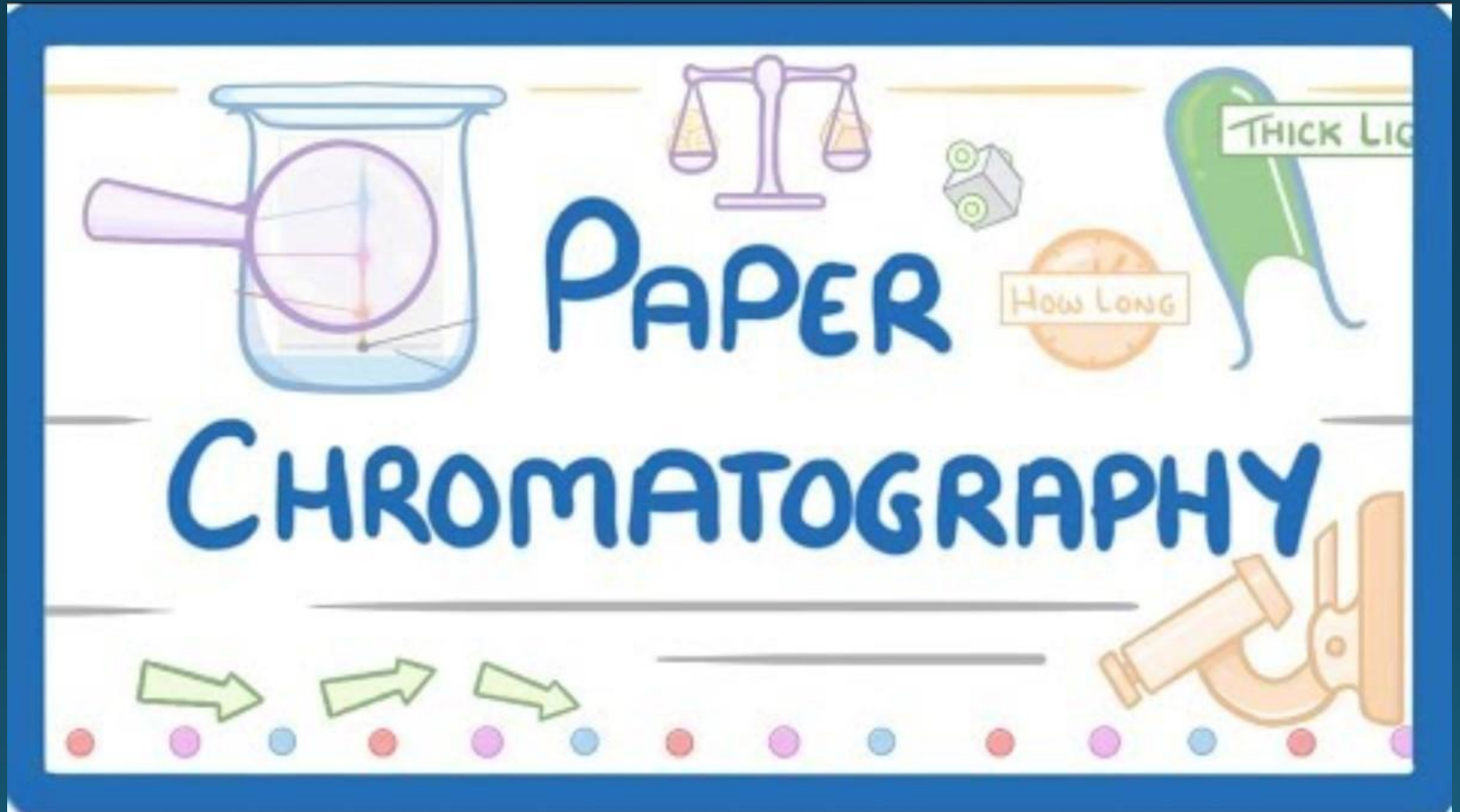
GCSE Biology Revision "Homeostasis"

YouTube · Freesciencelessons

9 Apr 2018



For a more visual video - Cognito



AQA Combined Science Trilogy

Exam Practice – build exam technique and close knowledge gaps

- Exam practice is key to identify knowledge gaps through self assessment.
- Develops understanding of what the examiners are looking for.
- Physics & Maths Tutor
- Revision World - GCSE and A-Level Revision Resources

<https://mmerevise.co.uk/>

Higher Only Topics – these differentiate students at the top end

- Biology

- More on Controlling Fertility (Paper 2)
- Homeostasis (negative feedback) (Paper 2)
- Adrenaline and Thyroxine (Paper 2)

- Physics

- Nuclear Equations (Paper 1)
- Half-Life (Paper 2)
- Calculating Forces (Paper 2)
- Momentum (Paper 2)
- The Motor Effect (Paper 2)
- Electric Motors (Paper 2)

- Chemistry

- Redox Reactions (Paper 1)
- The Mole (Paper 1)
- The Mole and Equations (Paper 1)
- Limiting Reactants (Paper 1)
- Le Chatelier's Principle (Paper 2)
- Alternative methods of metal extraction (Paper 2)

- Use exam practice to review these topics in depth.

Useful Websites

- www.physicsandmathstutor.com
- www.aqa.org.uk
- www.revisionworld.com
- <https://mmerevise.co.uk/>
- YouTube: FreeScienceLessons
- YouTube: Science and Maths by Primrose Kitten
- YouTube: Cognito