

GCSE Revision - Science

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GCSE Revision

- Purpose and Strategies
- Revision Resources
- How you can help
- Exam Structure
- Tiering Foundation vs Higher
- 'New' Grading System





The Revision Decision

To Revise

- I'll do better in my exams
- I'll get mum / dad / teacher off my back

To Not Revise

- It's boring
- It's hard
- It's uncomfortable
- I might find out how little I know
- I'll start tomorrow
- I might not be able to do it
- It gives me an excuse for failing
- It's not cool
- I'll just check my phone / laptop / what's on TV / make a cup of tea
- I don't know how
- Corrie's on
- There's plenty of time
- There's not enough time
- No-one else is



The Purpose of Revision....

....depends on where they are....
and where they want to get to.....

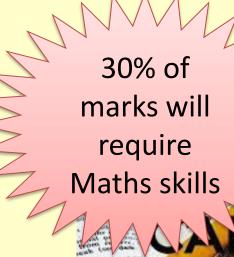
What % of the marks come from recall of facts?
What % involves maths?

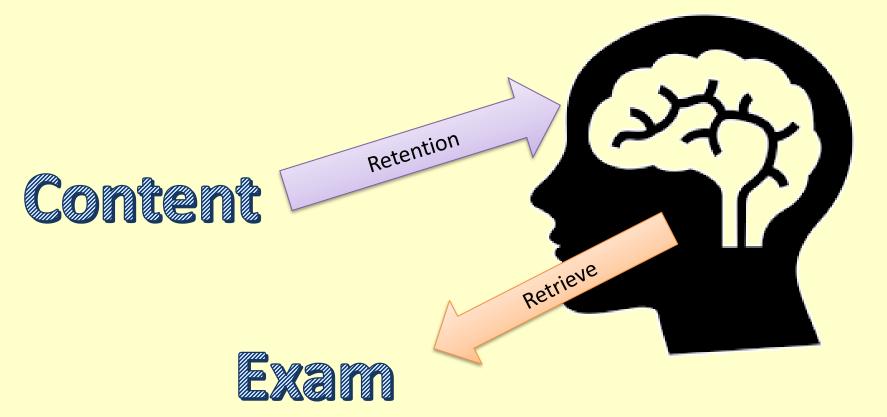
15% Fact recall

25% Explain using scientific knowledge

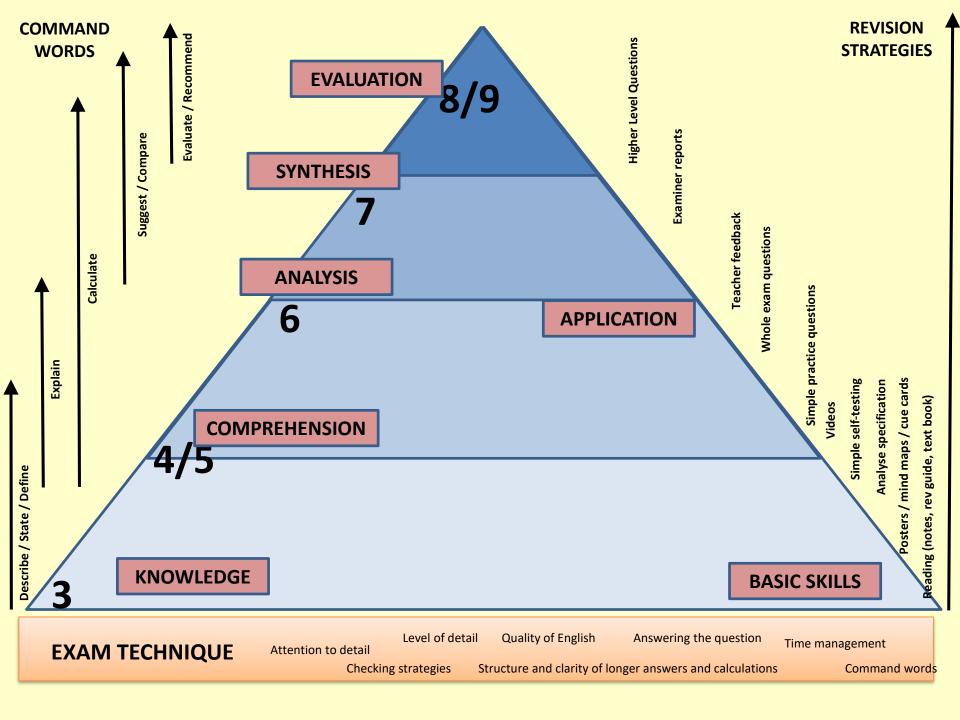
40% Application of scientific knowledge and ideas

20% Analysis, interpretation & evaluation









Revision Strategies

- Reading
- Posters / mindmaps / cue cards
- Analyse specification
- Simple self-testing
- Videos
- Simple practice questions
- Whole exam questions
- Timed past papers
- Examiner reports
- High Level Questions

https://www.youtube.com/w
atch?v=C20EvKtdJwQ

Useful way to use flash cards

Posters/mindmaps can be used more effectively by giving your child a blank piece of paper and asking them to write down everything they know as a 'brain dump'. This can then be compared against the original mindmap and help with retrieval



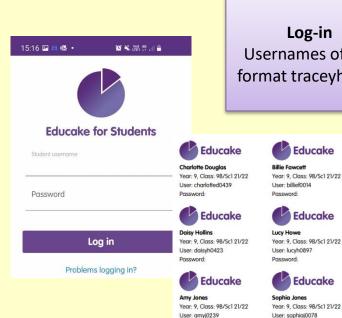
Science Revision Resources

- Exercise books
- Educake*
- BBC Bitesize / Other revision websites
- Youtube
 - Christopher Thornton
 - myGCSEScience
 - FreeScienceLessons
 - Primrose Kitten
 - Cognito
- Revision Guides / Workbooks
- AQA website (specification and past papers / mark schemes / examiner reports)
- Past papers from school
- Apps (CGP / Gojimo / quizlet)
- Seneca Learning
- Exam Questions by topic and level





Student Experience - Via the app



Password:

Log-in Usernames of this format traceyh0002



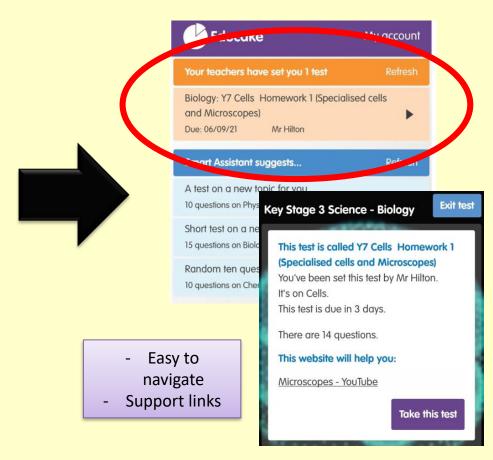
Aleksandra Janowska Year: 9, Class: 9B/Sc1 21/22 Year: 9, Class: 9B/Sc1 21/22 User: aleksandrai0011

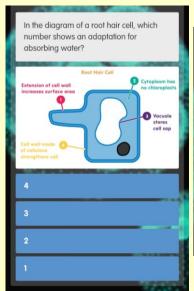
> **Educake Educake** Poppy Nichol

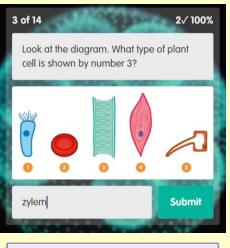
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Year: 9, Class: 9B/Sc1 21/22 User: poppyn0077 Password:

Educake







- Not just MCQs
- Monitor progress
- Allows some sp errors





Educake will be used by teachers to set HW quizzes. But the app will track how students progress and then they can choose to revise the sections that they struggled with and set themselves heir own quizzes.



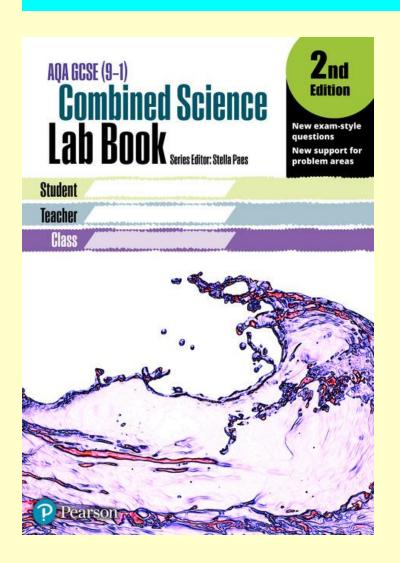
How can you help?

Talk to your child and see how they would like you to support them

- Get organised files/ post-its/ highlighters!!
- Purchase revision guides / workbooks / past paper books
- Plan a revision timetable
- Have a quiet and peaceful work environment
- Keep things in perspective



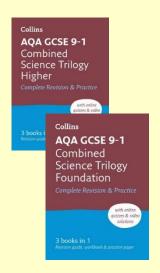
Required Practical Questions



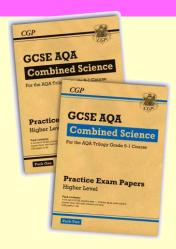
These lab books will be kept in school and will be used to complete work about the required practicals. This lab book will then be sent home near the end of Y11 for students to use as revision (it also includes exam style Qs)



Available for students taking Combined Science

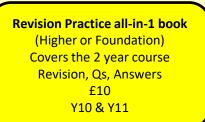






Practice Papers

(Higher & Foundation)
Covers the 2 year course
4 practice papers for each exam you will sit.
Answers included
£6
Y11 ONLY





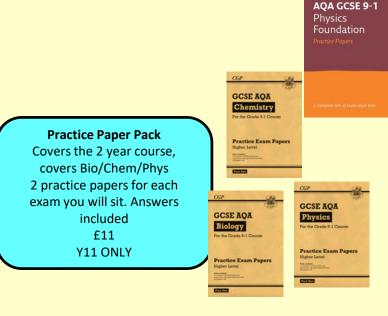


Available for students taking Triple Science



Revision Practice all-in-1 book

Covers the 2 year course Revision, Qs, Answers *Bundle* Biology, Chemistry, Physics £13.50 Y10 & Y11





Flashcards

Covers the **2 year course**Biology, Chemistry, Physics
Bundle
Biology, Chemistry, Physics
£14
Y10 & Y11



Collins

Exam Timetable

- 6 exams, 2 Biology, 2 Chemistry, 2 Physics
- Content
 - Paper 1 mainly Year 10,
 - Paper 2 Year 11
- Combined Science 1h 15 mins
- Triple Science 1h 45 mins
- Trial exams paper 1 only, start Nov
- Paper 2 mock in March / April
- Actual exams May / June

Exams 2022 – There were several changes to the structure of the exams due to COVID. No changes are being made to the 2023 exams



New Grading System – Triple Science

New Grade	9	8	7	6	5	4	3	2	1	U
Old Grade		A*	Α	В	Low B / High C	Low C	D	E	F	U

Students doing Triple Science will get a separate grade for Biology, Chemistry and Physics



New Grading System – Combined Science

New Grade	9 9, 9 8	8 8, 8 7			5 5, 5 4	4 4, 4 3	3 3, 3 2		11	U
Old Grade	А	*	А	В	Low B / High C	Low C	D	E	F	U

Students doing combined science will get marks from all their papers and these mark all get added to a to 'bucket'. The more marks you get in this bucket the higher the grade



Foundation vs Higher Tier?

- Each student will be entered for either the Foundation or Higher tier paper
- Foundation:
 - 60% lower demand, 40% standard demand
 - Grades 1-1 to 5-5 available
 - Doesn't include some of the more difficult content so more time to focus on the basics
- Higher:
 - 40% standard demand questions, 60% higher demand
 - Grades 4-3 to 9-9 available
- Teachers will recommend based upon performance in Y10 exams. We want the Y11 trial exam to be of the same tier as the summer series, as much as possible

