Top Tips for revising GCSE Science

20 minutes a day = 40 hours of a revision before the 16th of May (Bio Paper 1)

Educake

How to revise – 3 step rule

Step 1

Improve your knowledge by:
- Reading and watching videos
- Making summary notes
- Making a mind map
- Making infographics
- Making concept maps

Step 2

Check your knowledge by:
- Using your own CGP flashcards
- Using the premade flashcards on PMT
- Making and using your own flashcards
- Using Seneca
- Using Educake

Step 3

Complete timed exam style questions:
- Answer them then mark and improve
- Use the mark scheme with the question to come up with the perfect answer
- Use just the mark scheme and try to work out the question

By only doing the first 2 steps you are only covering AO1 (knowledge) which makes up only 40% of your exams. You must continue to step 3 and complete exam style questions to ensure you cover AO2 and AO3 skills of applying and analysing/evaluating.

Want a grade 7/8/9? In addition to your knowledge being secure, you need to practice as many data and practical questions as you can. What could make each practical more valid? Can you apply your knowledge of Science skills to other non core practicals too?

Biology Topics

Paper 1: Biology 1 – topics 1-5

- Key concepts in biology
- Cells and control
- Genetics
- Natural selection and genetic modification
- Health, disease and the development of medicines

Paper 2: Biology 2 - topic 1 + topics 6-9
Examined

- Key concepts in biology
- Plant structures and their functions
- Animal coordination, control and homeostasis
- Exchange and transport in animals
- Ecosystems and material cycles

PPE 2; Biology 2, Chemistry 2 and Physics 2 topics covered up until February half term.

Chemistry Topics

Paper 3: Chemistry 1 – topics 1-4

- Key concepts in chemistry,
- States of matter and mixtures
- Chemical changes
- Extracting metals and equilibria
- Separate chemistry 1 (TRIPLE ONLY)

Paper 4: Chemistry 2 - topic 1 + topics 6-8

- Key concepts in chemistry
- Groups in the periodic table
- Rates of reaction and energy changes
- Fuels and Earth science
- Separate chemistry 2 (TRIPLE ONLY)

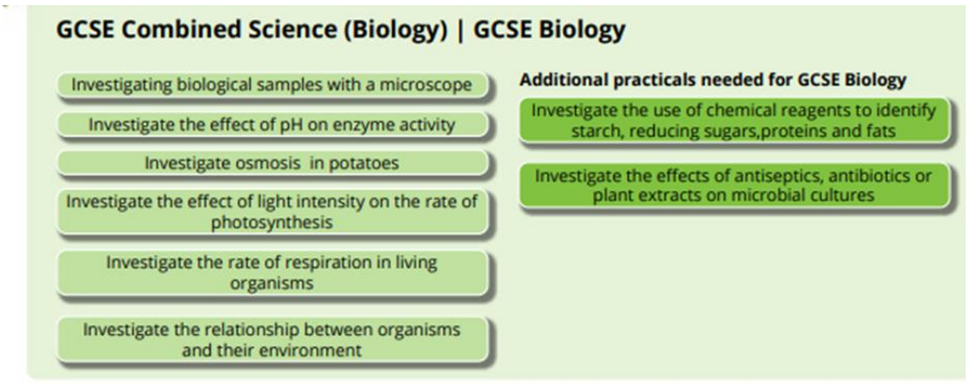
Physics Topics

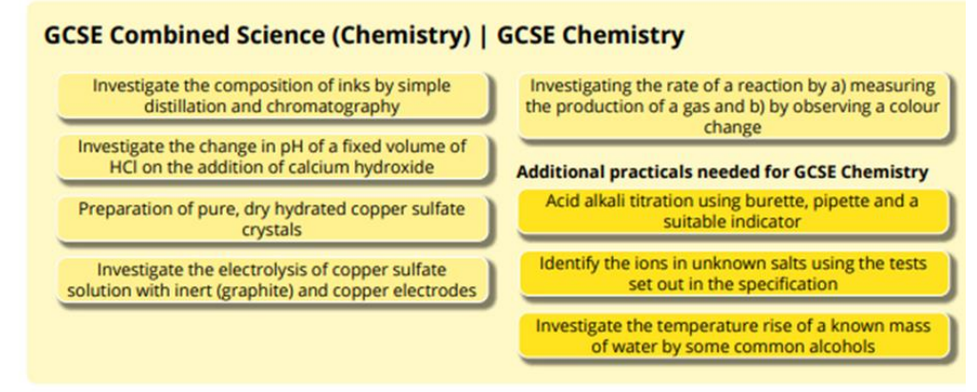
Paper 5: Physics 1 – topics 1-6

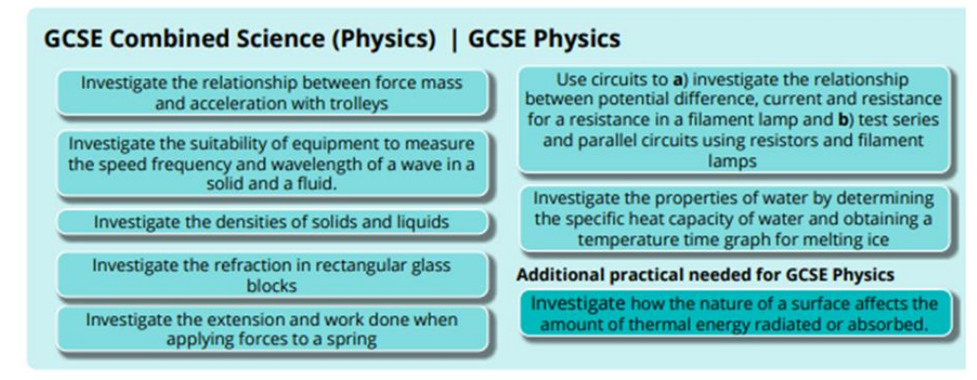
- Key concepts of physics
- Motion and forces
- Conservation of energy
- Waves
- Light and the electromagnetic spectrum
- Radioactivity
- Astronomy (TRIPLE ONLY)

Paper 6: Physics 2 - topic 1 + topics 8-15

- Key concepts of physics
- Energy - Forces doing work
- Forces and their effects
- Electricity and circuits
- Static electricity (TRIPLE ONLY)
- Magnetism and the motor effect
- Electromagnetic induction
- Particle model
- Forces and matter







Please go to the GCSE Science Revision Page on Sharepoint that includes links to useful websites, walk and talk mocks and categorised exam questions.