

Welcome to GCSE Science



United Learning
The best in everyone™

What's involved?



All students must study science and in the Combined course still learn Biology, Chemistry and Physics.



Students have 12 lessons every 2 weeks and have 3 science teachers that specialise in Biology, Chemistry or Physics.



Students will take either the Combined Science course ending up with 2 GCSEs or Separate science gaining GCSEs in Biology, Chemistry and Physics.



9/22/2026

What do they study?

Year 10 are studying paper 1 topics this year which are listed below.

They will begin paper 2 subjects towards the end of year 10.

These are the topics they are studying this year:

Biology

Cells
Organisation of
plants and animals.
Infection and
how we respond.
Photosynthesis
and Respiration.

Chemistry

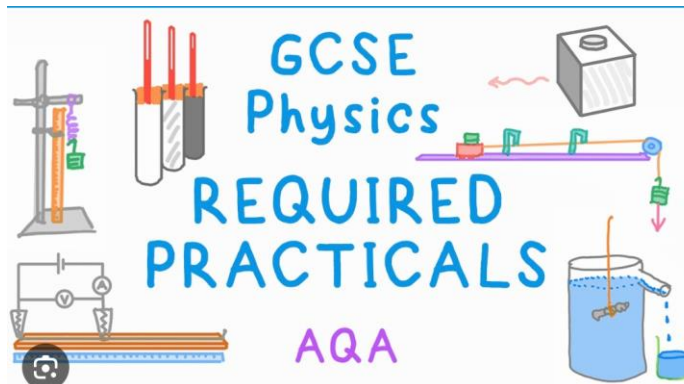
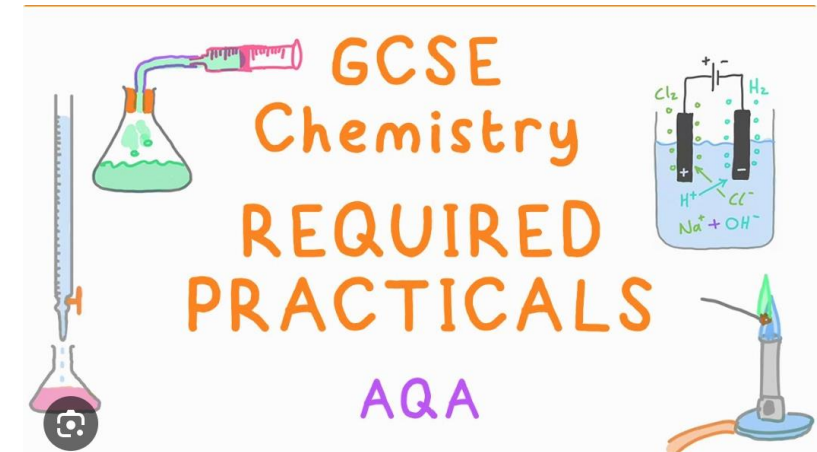
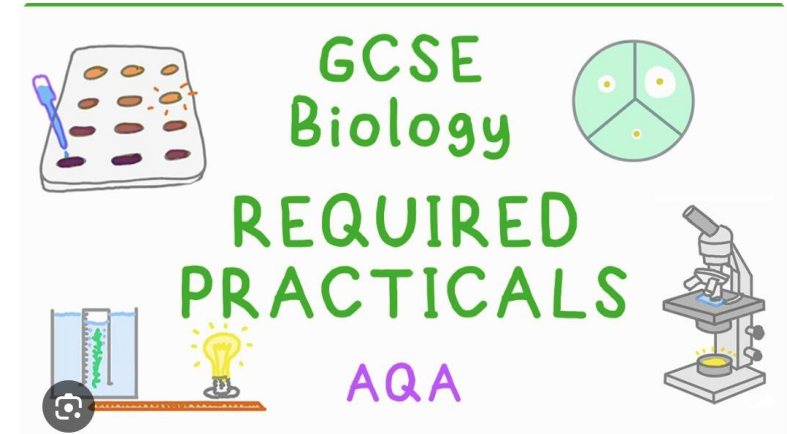
Atomic structure
and the periodic table.
Chemical bonding
Quantitative chemistry
Chemical changes
Energy changes

Physics

Energy
Electricity
Particle model
Atoms and radiation

Required Practicals Matter

- There are 21 required practicals in the 2-year course that students **must complete**.
- The skills learned by completing this work are tested in every GCSE science exam.
- All students are provided with practical sheets. They use these to complete their required practicals, analyse their data and answer practice exam questions.



- There are six papers for science GCSE: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas.
- Towards the end of year 10 the students will take 3 mock exams all for paper 1 content.
- These exams will be 1 hour 15 mins long and contain 6-7 questions which are progressively harder.
- The results of these are used to assess gaps in knowledge to reteach as well as confirming who will take triple science or higher or foundation tier combined.

Two things that are proven to work for most people:

REPETITION – little and often better

TEST YOURSELF – past papers, small quizzes

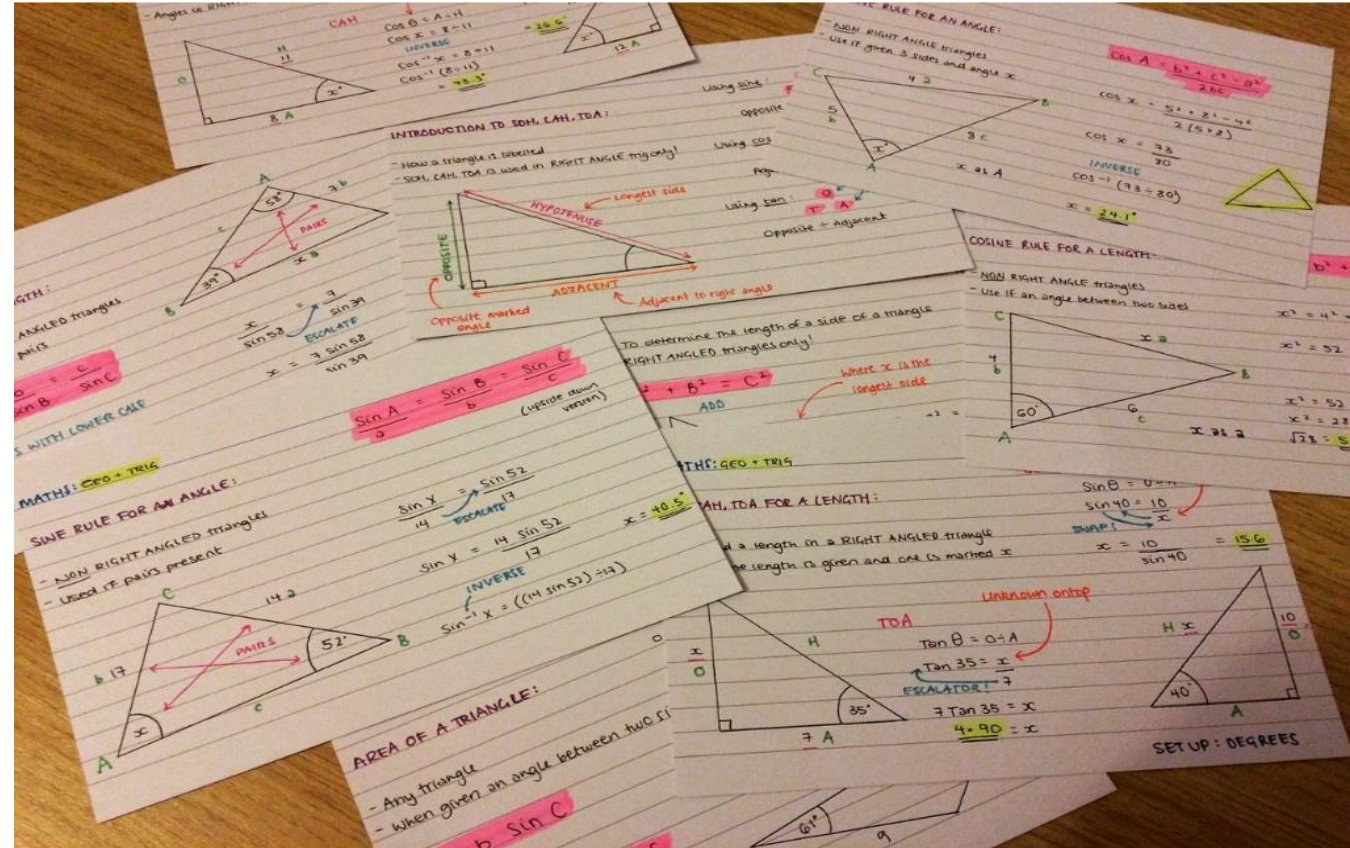
Parents/carers/siblings CAN HELP...



9/22/2026

Steps to Success

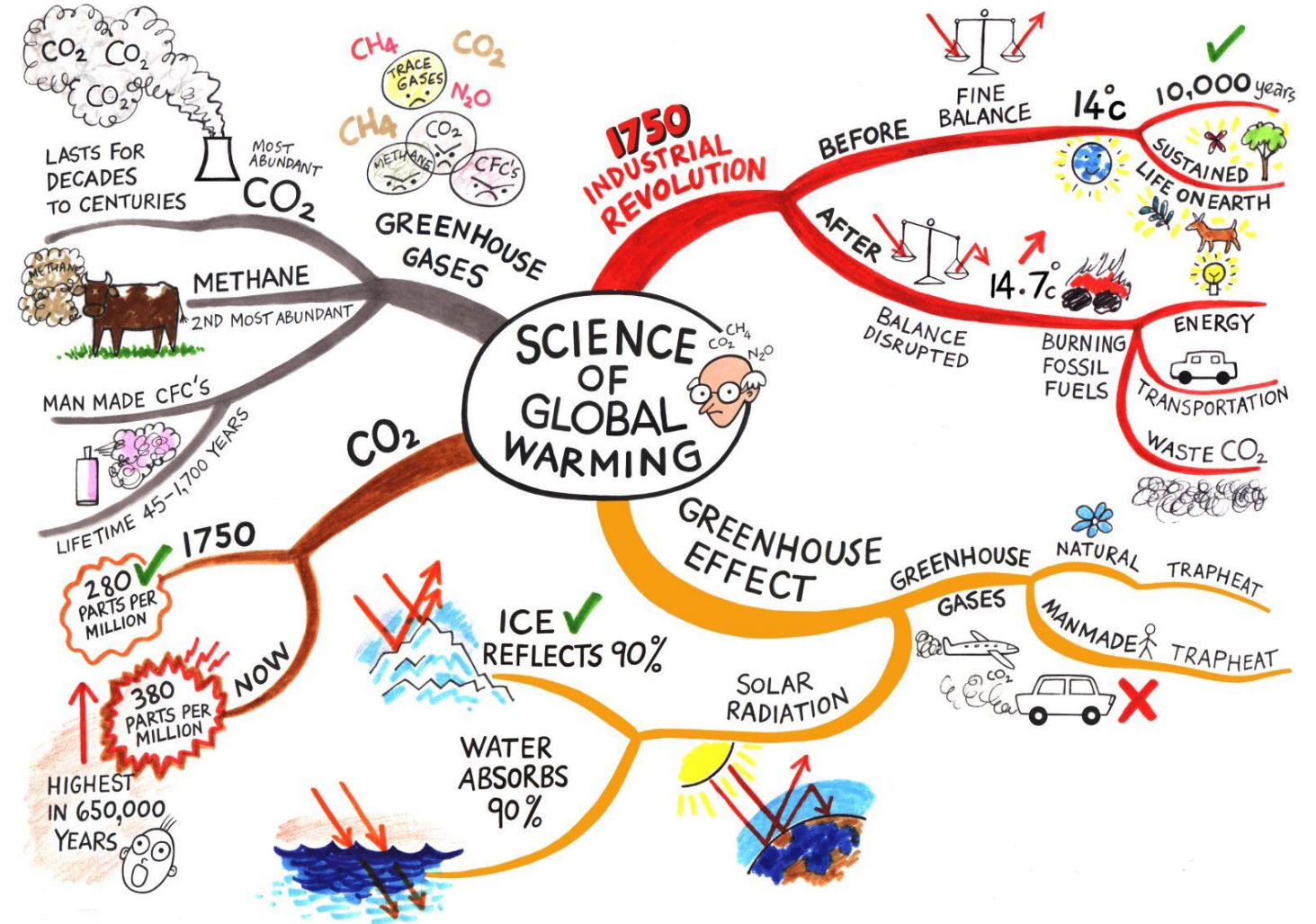
Flash Cards:



United Learning
The best in everyone™

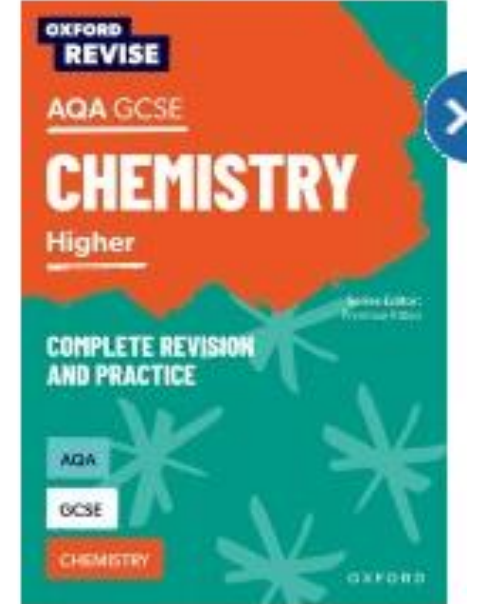
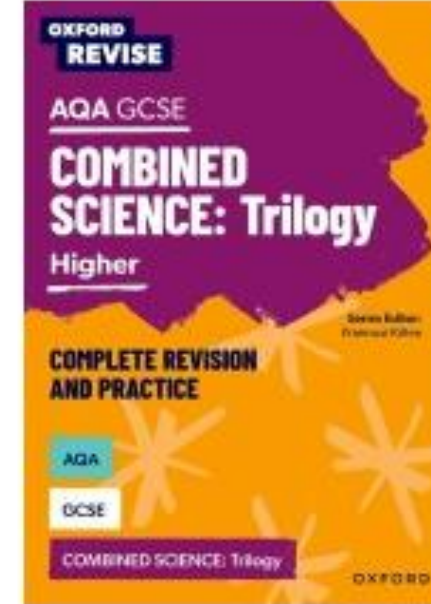
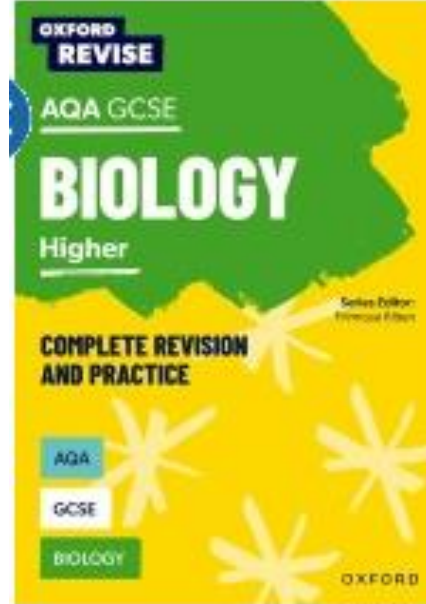
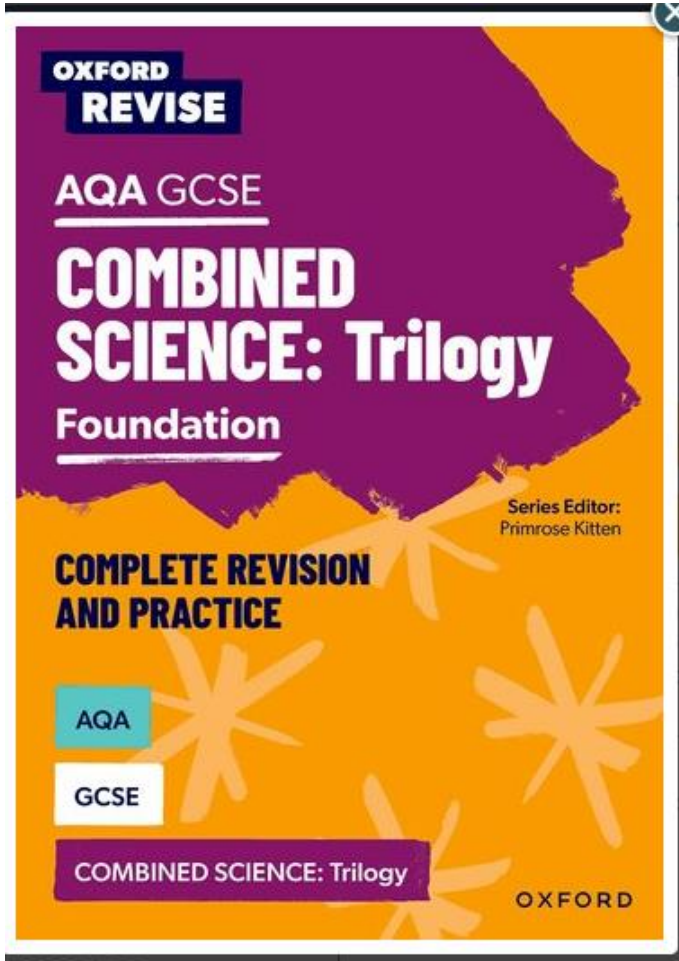
MIND MAPS:

For SUMMARISING a topic and making LINKS.



9/22/2026

Revision Guides



These are the revision guides which contain knowledge, retrieval and exam practise and are a superb resource. They are available to order from the school at a reduced cost via parentpay, combined science about £9.20 and triple about £12.20 for 3 books. A letter detailing information will be sent out to all year 10 families.

Other revision ideas

There is a lot of content in science and those students that continually study outside school always do well.

- **Complete all homework tasks.**
- **Post it notes around room**
- **Mnemonics (OILRIG)** [GCSE Combined Science - AQA Trilogy - BBC Bitesize](#) [Physics & Maths Tutor](#)
- **Revision websites such as BBC Bitesize and Physics and Math tutor**
- **Revision videos such as cognito science** [Free GCSE, A-Level, IB & AP Exam Revision](#)
- **AQA exam board website (past papers, mark schemes and examiners reports).** [AQA | Resources | Past Papers & AQA Mark Schemes](#)
- **Read, cover, check – use your notes and revision guides.**
- **NEVER COPY OUT NOTES – This has been proved to have no impact.**