



Gordon's School Chemistry Department

GCSE - Curriculum Map



Key Skills:

- Development of scientific thinking
- Planning investigations
- Developing experimental skills and strategies
- Recording data – tables and graphs
- Data analysis
- Data evaluation



GCSE Exams

Separate:

C15 Using our resources

How are our major resources produced? What is the Haber process and why is it so important? How are metals made stronger? Plastics made hard or soft?

Separate:

C14 The Earth's resources

Learn how we make drinkable water, purify metals and use finite and renewable resources.

Separate:

C13 Earth's atmosphere

Explore both the natural and man-made changes in the chemistry of the Earth's atmosphere.

Trilogy: Revision

Trilogy:

C12 The Earth's resources

Learn how we make drinkable water, purify metals and use finite and renewable resources.

Y11 Mock Exams

Separate:

C11 Polymers

One of the most important reactions in chemistry, learn about how plastics, ropes, clothes and even DNA are formed.

Trilogy:

C11 Earth's atmosphere

Explore both the natural and man-made changes in

Separate:

C10 Organic reactions

Learn about four families of organic molecules and how they react.

C9 Crude Oil

What makes this resource so valuable? How do we make so many useful products from crude oil?

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C10/12 Chemical Analysis

How can we determine a pure substance from an impure one? Can we identify key gases through testing?

C8 Rates of reaction

How can we manipulate reactions to go faster? What are reversible reactions and how can we shift equilibrium?

C7 Energy changes

Why do some reactions feel hot, and others cold? How can we use these energy changes in real life?

C4 Chemical calculations

Learn how simple maths can help scientists improve the yield of chemical reactions

C6 Electrolysis

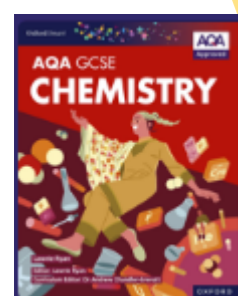
How can electricity be used to extract and purify metals?

Recap of C3 Structure & Bonding.

Year 10

C5 Chemical changes

How do chemists use reactions to obtain useful products / resources?



Exam Specification Separates:



Should this QR code not work, please click [here](#) to view the relevant specification.

Year 9

C1 Atomic structure

Build on your knowledge and delve deeper into the world of sub-atomic particles.

C2 The Periodic Table

Why was the periodic table such a scientific break-through? Learn about the history of this important chemical tool.

C3 Structure & Bonding

How do atoms connect to each other, and why?

Y9 Exams

Exam Specification Trilogy:



Should this QR code not work, please click [here](#) to view the relevant specification.

Key Terms:

- Accuracy
- Control variable
- Dependent variable
- Error
- Independent variable
- Precision
- Prediction
- Repeatable
- Reproducible
- Variable

Command Words:

- Calculate
- Compare
- Complete
- Describe
- Determine
- Evaluate
- Explain
- Justify
- Predict
- State
- Suggest
- Use

