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

Key Terms:

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

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?

Trilogy:
Revision

Separate:
C14 The Earth's resources
Learn how we make drinkable water, purify metals and use finite and renewable resources.

Trilogy:
C12 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.

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

Year 11

C9 Crude Oil
What makes this resource so valuable? How do we make so many useful products from crude oil?

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

Separate:
C10 Organic reactions
Learn about four families of organic molecules and how they react.

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?

Y10 Mock: Paper 1

C7 Energy changes
Why do some reactions feel hot, and others cold? How can we use these energy changes in real life?

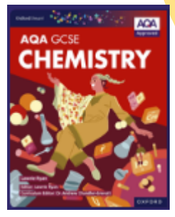
C4 Chemical calculations
Learn how simple maths can help scientists improve the yield of chemical reactions

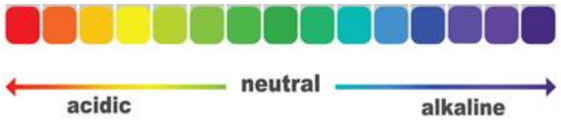
C6 Electrolysis
How can electricity be used to extract and purify metals?

Recap of
C3 Structure & Bonding.

Year 10

C5 Chemical changes
How do chemists use reactions to obtain useful products / resources?





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

Command Words:

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

Exam Specification Separates:

Should this QR code not work, please click here to view the relevant specification.

Exam Specification Trilogy:

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