



# 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



**All sets: C7 Energy changes**

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

**Sets 2-6: C6 Electrolysis**

How can electricity be used to extract and purify metals?



**Y10 Mock Exams: Topics C1-C5**

**All sets: Mock Exam Preparation**

**Set 1: C6 Electrolysis**

How can electricity be used to extract and purify metals?

**All sets: C4 Chemical calculations**

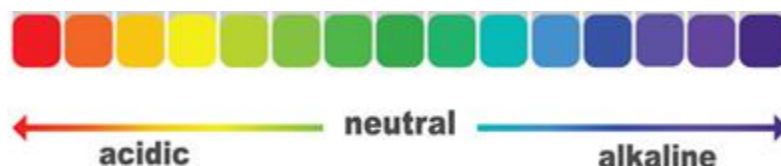
Learn how simple maths can help scientists improve the yield of chemical reactions

**All sets: C5 Chemical changes**

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

**All sets: C3 Bonding**

How do atoms connect to each other, and why?



**Year 9**

**Spring Term: C1 Atomic structure C2 The Periodic Table**

See Key Stage 3 map for detail.

**Summer Term: C9 Crude Oil C11 / C13 The Earth's atmosphere**

See Key Stage 3 map for detail.

**Y9 Exams**

**Year 10**

**Year 11**

**All sets: C8 Rates of reaction**

How can we manipulate reactions to go faster? What are reversible reactions and how can we use them?

**Y11 Mock Exams**

**GCSE Exams**

**Set 1: 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?

**Sets 2-6: Revision**

**Set 1: C12 Chemical analysis**  
Learn how to identify pure and impure substances, and test for a wide range of chemicals using lab reactions and technology.

**Sets 2-6: Revision**

**All sets: C12/C14 The Earth's resources**  
Learn how we make drinkable water, purify metals and use finite and renewable resources.

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

Exam Specification Set 1:



Exam Specification Sets 2-6:



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**Command Words:**

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

