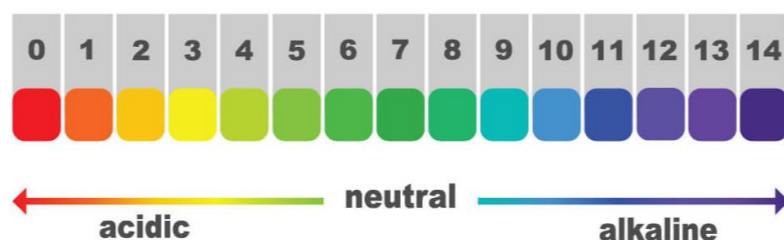
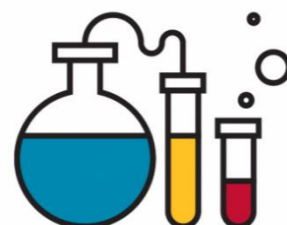




Gordon's School Chemistry Department



Key Stage 3 - Curriculum Map



- Key Skills:**
- Planning investigations
 - Identifying variables
 - Developing experimental skills
 - 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 C11 / C13 Earth's atmosphere
 End of Year 9 Exams
 The Earth's atmosphere is dynamic and has always been changing. Explore both the natural and man-made changes in the chemistry of our atmosphere.

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

GCSE C2 The Periodic Table
 Why was the periodic table such a scientific break-through? Learn about the history of this important chemical tool.

GCSE C1 Atomic structure
 Build on your knowledge and delve deeper into the world of sub-atomic particles

All sets begin GCSE course!

C4 The Earth
 Where do we get the materials we need? What is the Earth made of?

End of Year 8 Exams

Science Enrichment Project
 Use your scientific know-how to solve a real-world problem with your team.

Year 9

C1 New Technology
 Discover how exciting new materials are shaping the sporting world, furthering electronic "tech" and treating disease.

C3 Detection
 "The game is a-foot!" Put on your detective hat and discover how chemistry is used to solve crimes...

C3 Metals and acids
 How can we use chemical reactions to our advantage? Learn about reactivity of different metals.

C2 Separation techniques
 Practice experimental techniques that help us get materials and chemicals we need.

C1 The Periodic Table
 Learn how to use the Periodic Table to predict the behaviour of the chemicals around us.

Year 8

End of Year 7 Exams

Working scientifically and science enrichment
 An exciting series of experiments that go beyond!

Year 7

C1 Particles and their behavior
 Learn about how atoms make up everything on Earth, and beyond!

C2 Elements, atoms, and compounds
 What are chemicals really like, and why do they behave the way they do?

C3 Chemical reactions
 Explore how chemical reactions make vital materials and transfer energy.

C4 Acids and alkalis
 Why can we eat some acids or brush our teeth with alkalis, yet others would cause damage to our bodies?



- Command Words:**
- Calculate
 - Compare
 - Complete
 - Describe
 - Explain
 - State
 - Suggest
 - Use

