

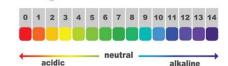
# **Gordon's School Chemistry Department**



### Key Skills:

- . Planning investigations
- · Identifying variables
- Developing experimental skills
- Recording data tables and graphs
- Data analysis
- Data evaluation

# **Key Stage 3 - Curriculum Map**



# Science Enrichment Project

Use your scientific knowhow to solve a real-world problem with your team. End of Year 8 Exams

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

### Key Terms:

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

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

# C2 Separation techniques

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

#### C3 Metals and acids

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

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

Year 9

### End of Year 7 Exams

# 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



Year 8

# 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

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.

