Unit Overview – Reactions 1

You will learn about:

- Hazard symbols and equipment diagrams
- Types of reactions including oxidation, reduction, neutralisation and displacement
- Acids, alkalis and indicators
- Writing word equations

Skills focus:

- Identify variables
- Draw and interpret graphs

Key learning points	
Describe what happens during an oxidation reaction	
Write word equations for reactions	
Explain the hazards of acids and alkalis	
Give examples of strong and weak acids and alkalis	
Describe what pH is	
Describe what gas is released when a metal and acid react	
Define indicators and identify the correct one to use	
Describe the method for neutralisation	
Explain what neutralisation is and it's uses	
Compare the reactivity of different metals.	
Explain displacement reactions using equations and particle diagrams	

Links to other subjects:

SMSC

- Evaluating risks.

Numeracy

- Drawing and interpreting graphs
- Calculating a mean
- Reading a scale and recording measurements

Literacy

- Construct descriptions and explanations.
- Identify and describe evidence.

Key Words

Physical reaction
Chemical reaction
Reactivity
Displacement
Base
Acid
Hydrochloric acid
Alkali
Sodium hydroxide
pH Scale
Concentration
Indicator
Litmus
Universal Indicator
Neutralisation
Oxidation
Reactants
Products
Word equation