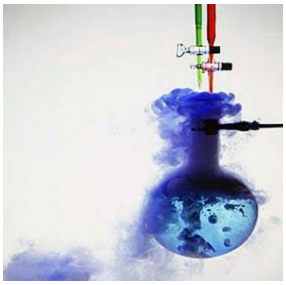

Triple Unit Overview – C4 Chemical changes

You will learn about:

- The reactivity series and how we can use this commercially.
- Neutralisation, Oxidation and reduction reactions.
- Electrolysis.

You will be able to:

- Prepare samples of pure, dry and soluble salts.

Key learning points	
Reactivity series and metal oxides	
Extracting metals	
Oxidation and reduction	
Metals and acids	
Neutralisation and the pH scale	
RP preparing salts	
Strong and weak acids	
Electrolysis and half equations	
Electron transfer and reactivity	

Links to other subjects:
SMSC: Understand and appreciate the impacts of human development on the environment and describe the effects that this is having.

Literacy: Describe observations in practical work. Explain the development of periodic table and the structure of the atom. Describe how reactivity and trends are linked to position in the periodic table.

Numeracy: Use decimal and standard form, make simple calculations, use appropriate significant figures, construct tables and histograms, visualise and represent models in a 2D form and change the subject of an equation.

Key Words

Reactivity series
Oxidation
Reduction
Metals
Acid
Alkali
Neutral
Neutralisation
Salt
Blast furnace
Electrolysis
Electrolyte
Cathode
Anode