

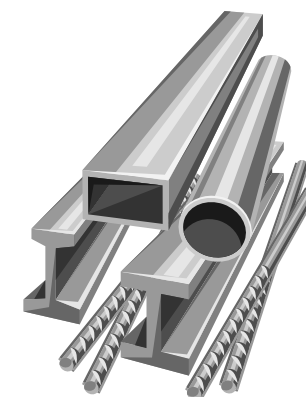
METALS & NON-METALS



CAREERS AND
PRE-ASSESSMENT



LAWNSWOOD
SCHOOL



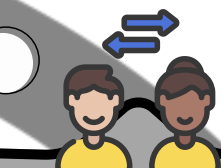
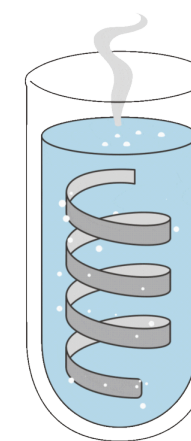
Properties of metals

Metallic elements and alloys

KNOWLEDGE
ASSESSMENT 1

Reactions of metals with oxygen,
water and acids

Metal carbonates and acids



PEER
ASSESSMENT

How well can compare
pure metals and
alloys?

END OF TOPIC
ASSESSMENT



LATER
LEARNING

Year 9 topic
CHEMICAL ENERGY

- Exothermic and endothermic
- Conservation of mass

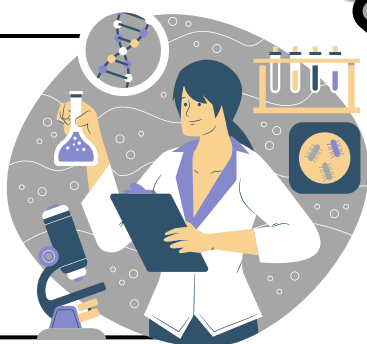
GCSE Chemistry

Further detail on the
properties and reactions
of metals and non-metals.



SELF
ASSESSMENT

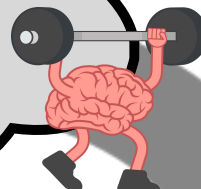
How well can I
sequence a method for
a scientific
investigation?



PRIOR
LEARNING

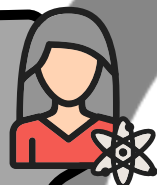
Consolidate
prior learning

KNOWLEDGE
ASSESSMENT 2



TEACHER
ASSESSMENT

How well can I describe
chemical reactions?



Metal and non-metal oxides

Extracting metals from ores

The reactivity series and
displacement reactions



Key Stage 2 Science

- Categorise everyday observations of change.
- Distinguish examples of physical change from chemical changes.
- Explain the appearance of bubbles when bicarbonate of soda reacts with vinegar.

Key Stage 3 Science

- Use observations to determine whether a substance is in solution.
- Recognise that a compound has properties (including solubility) that are distinct from its constituent elements.

Working scientifically

- WS 2.2 Plan experiments or devise procedures to make observations, produce or characterise a substance, test hypotheses, check data or explore phenomena.
- WS 2.4 Carry out experiments appropriately having due regard for the correct manipulation of apparatus, the accuracy of measurements and health and safety considerations.