



## Year 8 Chemistry Learning Map



### - TERM 1 -

#### Acids and Alkalis

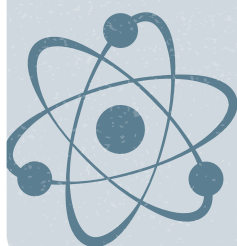
Acids and alkalis make up useful everyday chemicals from bleach to lemon juice. We will explore how they are identified using indicators and used for a range of purposes.



### - TERM 2 -

#### Useful Chemical Reactions

Metals are vital in the construction of new buildings. We will explore common physical properties of metals and study their main chemical properties. We will also explore the idea that reactions can occur at different speeds and how that links to the general reactivity series of metals.



### - TERM 3 -

#### The Periodic Table

The organisation of the periodic table can be used to find relationships between the various element properties, and also to predict chemical properties and behaviours of undiscovered or newly synthesised elements.



#### LINKS TO PRIOR LEARNING

- Bicarbonate of soda and vinegar reactions when making model volcanoes.
- Foods which are sour and acidic.



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Previously you would have learnt about grouping together everyday materials based on their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets. You would also recall that dissolving, mixing and changes of state are reversible changes and that the formation of new materials, including changes associated with burning and the action of acid on bicarbonate of soda, is not usually reversible.



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