



SKILLS

Year 11

- Select the correct qualitative chemical test to identify unknown substances
- Evaluate the impact of human activities and industrial processes
- Use practical skills to measure the rate of chemical reactions
- Apply mathematical skills to chemical contexts

Year 10

- Extract data from the Periodic table to use in calculations
- Rearrange formula to derive the desired outcome
- Use the reactivity series to predict the outcome of chemical reactions
- Use evidence to evaluate the changes to the atmosphere
- Interpret the graphical data

Year 9

- Retrieval practice of key ideas
- Identifying patterns in data and extrapolating the data to make predictions
- Balancing symbol equations
- Selecting the most appropriate method to solve a problem
- Understand how scientific theories change over time

Year 8

- Correct use of measuring equipment
- Identifying independent, dependent and control variables
- Classification of materials
- Using symbol equations to represent chemical reactions
- Analysing data to draw conclusions

Year 7

- Safe use of common lab equipment
- Writing and following methods
- Identifying and controlling risks
- Using the pH scale and the Periodic table
- Using word equations to show reactions
- The use of scientific models to explain complex ideas

KNOWLEDGE

The future
 - Study Chemistry at 6th form or colleges
 - The study of chemistry will help to develop research, **problem solving** and analytical skills. Enabling you to challenge ideas and apply logic and reasoning

