

Subject: Chemistry

Year 7 Curriculum Content

- States of matter and changes of state
- Properties of materials
- Acids, alkalis and neutralisation
- Chemistry practical skills

Year 8 Curriculum Content

- Diffusion, density and gas pressure
- Atoms, elements and compounds
- Separation of mixtures
- Word and symbol equations
- Atomic structure and the periodic table

Year 9 Curriculum Content

- Energy changes in chemical reactions
- The reactivity series of metals
- Making salts
- Rates of reaction

Enrichment activities

- Chemistry club
- Activities week – Year 8 – Dorset coach trip

Skills developed in KS3

Scientific enquiry

- Ideas and evidence
- Plan investigations and experiments
- Obtain and present evidence
- Evaluate evidence to draw scientific conclusions

Pupils learn how to use a range of resources including the periodic table to explain basic chemical principles. Practical work is a fundamental area of Chemistry and pupils will learn a variety of experimental procedures and techniques.

Textbook/ resources

- Textbook - Complete Chemistry for Cambridge Secondary 1
- Worksheets and resources - Complete Chemistry for Cambridge Secondary 1
- Extensive range of additional textbooks and written resources
- Audio-visual
- ICT
- Moodle

Useful Websites

- Royal society of Chemistry
- BCC bitesize
- Chemguide.co.uk