

Chemistry



Yr7, Yr8, Yr9: New KS3 Curriculum
Y10 & Yr11: 2-year KS4 (Separate Science)
Yr12: Sequence of topics for 2 teachers
Yr13: Sequence of topics as taught by one teacher

Mastery at Year 13
 Plan detailed experiments and account for errors.
 Draw links between topics across the 2 year course.
 Apply knowledge to unfamiliar situations.

Mastery at Year 12
 Name and draw a wide range of organic compounds.
 Outline simple mechanisms.
 Describe and explain trends in the periodic table.
 Competency at quantitative chemistry including unit conversions.
 Develop competency at following and evaluating a method.

Mastery at Year 11
 Organic Chemistry
 Chemical analysis
 Chemistry of the Atmosphere
 Using Resources

Mastery at Year 10
 Bonding, structure, and the properties of matter,
 Quantitative chemistry,
 Energy changes,
 The rate and extent of chemical changes,

Mastery at Year 9:
 Analysis and evaluation
 Understanding how Scientific Theories develop.
 Fundamental knowledge in biology, chemistry and physics

Mastery at Year 8
 Application of experimental skills and enquiry processes.
 Knowledge of processes in biology, chemistry and physics.

Mastery at Year 7
 Experimental skills and enquiry processes.
 Knowledge of concepts in biology, chemistry and physics

