



**BIDDULPH
HIGH
SCHOOL**

Chartered Accountant
Atmospheric Research Scientist
Private banker
Process Chemist
Environmental Scientist
Pharmaceutical Consultant
Nuclear Scientist
Management Engineer
Commercial Analyst
Secondary Teacher
Public Health Specialist
Scientific Researcher
Scientist
Chemical Engineer
Business Analyst
Business Development Manager
Business Development Executive
Business Development Representative
Business Development Officer
Business Development Director
Business Development Manager
Business Development Executive
Business Development Representative
Business Development Officer
Business Development Director



Chemistry A Level exams

Are you completing exam style questions under timed conditions?

Transition Metals –
Electron arrangement,
Reactions to include
ligand exchange.

Electrode potentials –
Electrochemical cells.
Calculation of EMF.
Fuel cells.

Continue your lifelong love of learning



A Level Results



Analysis
Chromatography and NMR

Synthesis

Are you acting on feedback from your QLAs?

Mock Examinations

Arenes and Phenol
Structure, reactivity and reactions

Carbonyls and Carboxylic acid derivatives
Reduction of carbonyls and analysis Acyl chlorides and acid anhydrides

Amines and amides
Classification of amines and amides. Reactions, of amines and amino acids

C-C Bond formation

YEAR 13

Mock exams
Breadth and Depth Papers

Kc and Kp
Application of ICE tables and calculations including deriving units

pH and buffers- pH. Ka and buffer calculations.

Energetics – Born Haber cycles. Entropy and Gibbs equation

Redox – Titrations. PAG 13 task

10 Rates and Equilibrium

9 Enthalpy

C3.8 Reactivity trends

C3.7 Periodicity

C4.17 Spectroscopy.
C4.16 Organic synthesis.

C4.14 Haloalkanes.

C4.14 Alcohols

C4.13 Alkenes.

C4.12 Alkanes

C4.11 Basic concepts of organic chemistry

YEAR 12

C2.6 Shapes of molecules and IMFs

C2.5 Electrons and bonding

C2.4 Acids and redox

C2.3 Amounts of substance

C2.2 Atoms, ions and compounds

GCSE Exams

HSB welcome

YEAR 11

Organic Chemistry



Mock Examinations

The Earths resources and using our resources

Reversible reactions and equilibria

Intervention. Closing the curriculum gaps

Mock Examinations

Rates of reaction.

Energetics.

Reactivity series and Acid base reactions.

Interpreting and interacting with Earth Systems – Green Chemistry

Bonding – electron arrangement. Forming ions, simple and giant covalent. Polymers and metals.

YEAR 10

Electrolysis –Electrolysis of molten salts and salt solutions

The mole and molar calculations. Atom economy and % Yield

Atoms, Isotopes, groups 1, 7, 0 and the transition metals

Atomic



Particle Theory. Atoms, elements and compounds HSW and maths skills

Periodic table and methods of separation.

pH, neutralisation and Indicators. HSW

Green Chemistry

YEAR 9

Chemical formulae and equations.

Calculating Relative formula mass and HSW



Sit SATS in Y6

Build a solid foundation in education

WOODHOUSE ACADEMY

PRIMARY SCHOOL



Develop a lifelong love of learning