



**BIDDULPH  
HIGH  
SCHOOL**

Chartered Accountant  
Atmospheric Research Scientist  
Private banker  
Process Chemist  
Environmental Scientist  
Pharmaceutical Consultant  
Nuclear Scientist  
Management Engineer  
Commercial Analyst  
Scientific Researcher  
Secondary Teacher  
Public Sector Consultant  
Business Development Manager  
Sales Representative  
Marketing Executive  
Project Manager  
Operations Manager  
Quality Assurance  
Health and Safety  
Finance Analyst  
Systems Administrator  
Software Developer  
Data Analyst  
Business Analyst  
Operations Director  
Marketing Director  
Finance Director  
Sales Director  
Human Resources Director  
Operations Director  
Marketing Director  
Finance Director  
Sales Director  
Human Resources 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**

**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**

**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.**

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

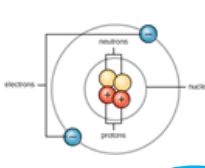
**YEAR 10**

**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

