



End of
KS4

2. Using resources

Earth's resources and sustainable development, Life cycle assessments, Potable water and waste water treatment

Yr11-I. Quantitative chemistry

Chemical measurements, conservation of mass and chemical equations.
Use of amounts of substance in relation to masses of pure substances

Top 3 tips for parents and carers during KS4

1 Buy a revision guide & scientific calculator

2 Use flashcards to test your child on recalling facts

3 Make sure you know what tier your child is sitting and make sure all 6 exam dates are recorded.

YEAR 11

4. Chemical analysis

Purity, formulations and chromatography

5. Chemistry of the atmosphere

The composition and evolution of Earth's atmosphere, Greenhouse gases, Atmospheric pollutants

Online learning during KS4

1. [Seneca learning](#)
2. [Free science lessons](#)
3. [GCSE Pod](#)
4. [CGP app](#)
5. [YouTube Required practical's](#)

Year
10

PPE Preparation for KS4: identify command words in questions and make sure you know what they mean; make sure you can convert units; name equipment accurately; plot, describe and explain a variety of graphs

Yr10 – 1. Energy changes

Exothermic and endothermic reactions

2. Rate and extent of chemical change

Rates of reaction
Reversible reactions and dynamic equilibrium

3. Organic chemistry

Carbon compounds as fuels and feedstock's

Next steps in Science...

FE: A-Level Chemistry or BTEC Applied Science

HE: Medicine, Dentistry, Pharmacy, Forensics

Career:
Food scientist, Vet, Engineer, Midwife, Optometry

THE FUTURE

Study skills for KS4: Create flashcards of key definitions, use questions in each chapter in revision guide to develop recall, use writing frames on Google Drive to structure answers, complete past paper questions and use mark scheme, download spec to use as a checklist

Start of
KS4

3. Chemical changes

Reactivity of metals and acids
Electrolysis

2. Bonding, structure and the properties of matter
Ionic, Covalent, Metallic

Yr9-I. Atomic structure and periodic table
Model of the atom, Periodic Table, States of matter

KS4 Learning Journey for Chemistry