Chemistry Learning Journey



Cycle 2

- Earth &
- Review

Revision and GCSE

Exams

Courses

Careers

Skills

Real World

GCSE Science is an entry requirement for a majority of Post-16 courses

Psychologist, Ecologist, Vet, Lawyer, Anthropologist, Biochemist., Archaeologist

Problem solving, critical thinking, ICT literacy, collaboration, adaptability, self-management

Asking/answering questions about your world and making decisions based on evidence

Cycle 1

- AlcoholsCarboxylic Acids Polymers

Year 11

Cycle 3

- Qualitative analysis Properties of matter
 - Nano particles

Fuels

- Groups
- Rates • Energy in

reactions

Cycle 3

- Calculations in chemistry
- Reactivity of Metals
- Electrolysis

Year 10

Cycle 1

- Calculations in chemistry2*Quantitative Analysis
- Equilibrium
- Chemical & Fuel Cells

Cycle 2

- Bonding
- Types of structure
- Acids & Alkalis
- Salts

Cycle 1

- States of Matter
- Separating Substances Atomic Structure
 - Periodic Table



Cycle 3

Cycle 2

Cycle 2

- Metals &

Cycle 2

- Cells
- Human Organ Systems
- Mixtures & Separation
- Acids & Alkalis

Cycle 3

- Electricity
- Energy in the Home
- Reproduction
- Interdependence & Health

Year

Cycle 1

- Chemical reactions
- Space & Magnetism
- Motion & Pressure

Cycle 1

- Particle Theory • Atoms, Elements & Compounds
 - Forces Waves & Sound
- Year

Cycle Assessment points

- End of unit assessments marked
- End of cycle assessment week 11

A01

Demonstrate knowledge and understanding of:

- scientific ideas;
- techniques and procedures

A_O2

Apply knowledge and understanding of:

- scientific ideas;
- techniques and procedures

AO₃

Analyse information and ideas to:

- interpret and evaluate;
- make judgements & drav conclusions;
- improve experimental procedures

