

Combined Science Learning Journey



Cycle 2

- Fuels
- Earth & Atmosphere
- Particle Model
- Forces & Matter
- Paper 2 Core practical reviews

Revision and GCSE Exams

Courses

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

Careers

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

Skills

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

Real World

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

Cycle 1

- Hormones
- Exchange & Transport
- Paper 1 Core practical reviews

Year 11

Cycle 3

- Eco Systems
- Material Cycles
 - Groups
 - Electricity
- Rates & Energy

Cycle 2

- Electrolytic Processes
- Plants & Photosynthesis
- Extracting metals & Equilibria
- Work & Forces

Cycle 2

- Cells & Control
- Energy Stores & Transfers
- Bonding and Structure
- Genetics

Cycle 3

- Waves
- Light & EM spectrum
- Acids & Alkalis
- Natural selection & Genetic modification

Year 10

Cycle 1

- Forces & Motion
- Health & Preventing Disease
- Calculations involving masses
- Radioactivity

Cycle 1

- States of Matter
- Separating Substances
 - Cells and Microscopes
 - Enzymes
- Transporting Substances
 - Speed & Acceleration
 - Atomic Structure

Year 9

Cycle 3

- Light
 - Energy stores & Transfers
 - Nutrition & Digestion
 - Genetics & Inheritance

Cycle 2

- Respiration
- Plants & Photosynthesis
- Earth & Atmosphere
- Metals & Reactivity

Cycle 2

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

Cycle 3

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

Year 8

Cycle 1

- Periodic Table
- Chemical reactions
- Space & Magnetism
- Motion & Pressure

Cycle 1

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

Year 7

Cycle Assessment points

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

AO1

Demonstrate knowledge and understanding of:

- scientific ideas;
- techniques and procedures

AO2

Apply knowledge and understanding of:

- scientific ideas;
- techniques and procedures

AO3

Analyse information and ideas to:

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

