Physics Learning Journey

Year 11

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

Cycle 3
- Eco Systems
- Material Cycles
- Groups
- Electricity
- Rates & Energy

Cycle 2
- Electrolytic Processes
- Plants & Photosynthesis
- Extracting metals & Equilibria
- Work & Forces

Year 10

Cycle 2
- Cells & Control
- Energy Stores & Transfers
- Bonding and Structure
- Genetics

Cycle 3
- Waves
- Light & EM spectrum
- Acids & Alkalis
- Natural selection & Genetic modification

Cycle 1
- Forces & Motion
- Health & Preventing Disease
- Calculations involving masses
- Radioactivity

Year 9

Cycle 1
- States of Matter
- Separating Substances
- Cells and Microscopes
- Enzymes
- Transporting Substances
- Speed & Acceleration
- Atomic Structure

Cycle 3
- Light
- Energy stores & Transfers
- Nutrition & Digestion
- Genetics & Inheritance

Cycle 2
- Respiration
- Plants & Photosynthesis
- Earth & Atmosphere
- Metals & Reactivity

Year 8

Cycle 2
- Cells
- Human Organ Systems
- Mixtures & Separation
- Acids & Alkalis

Cycle 3
- Electricity
- Energy in the Home
- Reproduction
- Interdependence & Health

Cycle 1
- Periodic Table
- Chemical reactions
- Space & Magnetism
- Motion & Pressure

Year 7

Cycle 1
- Particle Theory
- Atoms, Elements & Compounds
- Forces
- Waves & Sound

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