

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 2

Revision and exam preparation

Revision and GCSE Exams

Cycle 1

- Ecosystems
- Sampling habitats
- Fuels and hydrocarbons
- Earths changing atmosphere

Year 11

Cycle 3

- Exchange and transport in animals
- Force and springs
- Hormonal control
- Periodic table - Particle model
- Energy changes - Rates of reaction

Cycle 2

- Photosynthesis
- Evolution
- Genetic engineering
- Electrolysis
- Reactivity
- Chemistry calculations
- Forces and momentum
- Magnetism and electromagnetism

Cycle 2

- Separation techniques
- Health
- Preventing diseases
- Cell transport
- Forces
- Motion

Cycle 3

- Enzymes
- Cell division
- Nervous system
- Bonding and structure
- Waves

Cycle 1

- Genetics - Radioactivity
- Acids and alkalis
- Preparing salts
- Resistance - Radioactivity
- Electrical current and safety

Year 10

Cycle 1

- Cell structure
- Microscopy
- Material cycles
- Interdependence
- Energy stores and transfers
- Atomic structure

Year 9

Cycle 3

- Plants and photosynthesis
- Cell transport
- Classification
- Current electricity
- Resistance

Cycle 2

- Cell division
- Inheritance
- Evolution
- Earth's structure
- Density
- Rock cycle

Cycle 2

- Reproduction
- Puberty
- Structure of atoms
- Periodic Table
- Magnetism
- Forces
- Separating mixtures

Cycle 3

- Space
- Chemical reactions
- Respiration
- Digestion and enzymes
- Wave interactions
- Describing waves

Cycle 1

- Health and disease
- Motion
- Acid and alkalis
- Balancing equations

Year 8

Cycle 1

- Energy stores and transfers
- Energy resources
- Particle model of matter
- States of matter
- Life processes
- Cell biology

Year 7

Year 5+6

- Living things and their habitats
- Animals including humans
- Evolution and inheritance
- Properties and changes of materials
- Light
- Electricity
- Forces
- Earth and space

AO1	AO2	AO3
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Demonstrate an understanding of: Apply knowledge and understanding of: Analyse information and ideas to:

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|---|---|---|
| <ul style="list-style-type: none"> Scientific ideas Techniques and procedures | <ul style="list-style-type: none"> Scientific ideas Techniques and procedures | <ul style="list-style-type: none"> interpret and evaluate; make judgements & draw conclusions; improve experimental procedures |
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