



KS3 Curriculum Journey

Science

**KS4
Science**

Next Steps

Combined
Science or
Biology,
Chemistry &
Physics

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Begin AQA GCSE Science Units

Biology: Cells and Cell Division; Transport in cells; Digestive System
Chemistry: Atomic structure; Periodic Table; Bonding
Physics: Forces; Waves; Energy; Radioactivity

Start Biology, Chemistry and Physics paper 1

Building the Skills and knowledge required for GCSE's in Science

Yr 8 Units (ctd):

Topic 6 Respiration and Photosynthesis
Topic 7 Climate and Resources
Topic 8 Magnetism
Topic 9 Evolution and Inheritance
Topic 10 Sound and Waves

Skills

AO1:

Demonstrate knowledge and understanding of: scientific ideas; scientific techniques and procedures.

AO2:

Apply knowledge and understanding of: scientific ideas; scientific enquiry, techniques and procedures.

AO3:

Analyse information and ideas to: interpret and evaluate; make judgments and draw conclusions; develop and improve experimental procedures.

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Yr 8 Units

Topic 1 Forces
Topic 2 Breathing and digestion
Topic 3 Periodic Table and elements
Topic 4 Heating and Work
Topic 5 Types of Reaction

Introducing key practical skills and knowledge required for KS3 science

Yr 7 Units (ctd)

Topic 6 Energy
Topic 7 Reproduction
Topic 8 Electricity
Topic 9 Light
Topic 10 Earth and Space
Topic 11 Interdependence and Plants

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Yr 7 Units

Topic 1 Investigative skills
Topic 2 Particles
Topic 3 Cells
Topic 4 Forces
Topic 5 Reactivity