



Science

Is this course for me?

This course will appeal to those students who:

Are willing to think around problems

Enjoy and can keep up to date with portfolio work

Have an interest in all of the science subjects and enjoy carrying out practical science investigations

Wish to use it to support other subjects - other Sciences, Psychology, Geography, Health & Social Care and Sports Science.

Units of Study

Year 7 & 8

- ◆ Safety and practical skills
- ◆ Electricity and Magnetism
- ◆ The Environment
- ◆ The Human Body
- ◆ Forces and Motion
- ◆ Acids and Alkalis
- ◆ Materials and their properties
- ◆ Earth and Space
- ◆ Elements, Compounds and Mixtures
- ◆ Metals and their Reactions
- ◆ Cells and Reproduction
- ◆ Energy
- ◆ Practical and graph skills
- ◆ Light and Sound
- ◆ Plants

Units of Study - Subject Content

Subject content - Biology

- ◆ Cell biology
- ◆ Homeostasis and response
- ◆ Infection and response
- ◆ Inheritance, variation and evolution
- ◆ Bioenergetics
- ◆ Ecology

Subject content - Chemistry

- ◆ Atomic structure and the periodic table
- ◆ Chemical changes
- ◆ The rate and extent of chemical change
- ◆ The properties of matter
- ◆ Bonding, structure,
- ◆ Quantitative chemistry
- ◆ Chemistry of the atmosphere
- ◆ Energy changes
- ◆ Organic chemistry
- ◆ Chemical analysis

Subject content - Physics

- ◆ Energy
- ◆ Atomic structure Forces Waves
- ◆ Waves and Forces
- ◆ Electricity
- ◆ Magnetism and electromagnetism
- ◆ Particle model of matter
- ◆ Atomic structure

Course papers

There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas. Students will also complete required practical tasks through the course in all subject areas.

What will this course prepare me for?

These courses will appeal to students who have a strong interest in Science and how the world works. Often students with good mathematical skills do well on these courses. If students are keen to continue sciences to Advanced level then completing the separate sciences GCSEs is recommended. Students need to be well organised and be able to complete practical tasks independently. These courses will appeal to students who have a strong interest in Science and how the world works. Often students with good mathematical skills do well on these courses. If students are keen to continue sciences to Advanced level then completing the separate sciences GCSEs is recommended.