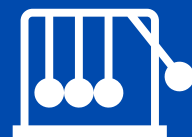


Subject on a Page: Applied Science



In a nutshell:

Applied science combines biology, chemistry and physics and combines both exams and coursework.

In Applied Science we:

...enable students to study the principles and applications of biology, chemistry and physics, as well as practical scientific procedures and techniques. Students will also have the opportunity to develop their investigation skills or explore contemporary issues in science.

Think like a scientist :

- Be curious – question everything relative to what you can see or understand
- Be logical – apply your knowledge and understanding to theoretical and practical problems.
- Analysing and researching to solve problems both big and small.

Write and talk like a chemist :

- Atomic Structure
- Periodic Table
- Chemical Bonding
- Cell Structure
- Enzymes
- DNA and Protein Synthesis
- Waves and Their Applications
- Electric Circuits
- Energy Transfer
- Scientific Theories and Evidence

Read like a scientist:

- Collins AQA A level Chemistry.
- Chemistry Review-available in school.
- New Scientist and Scientific American.
- A Short History of Nearly Everything, Bill Bryson

Revise like a scientist :

- Practice exam papers
- Physics and maths tutor question bundles for flashcards, mind maps and notes.
- Use Seneca
- Self or peer testing
- Attending extra support sessions

Experience it like a scientist:

- Keep abreast of scientific development by looking at the science section of the BBC or the guardian
- Enjoy our visit to Durham University to use the latest analytical techniques.

Progress to a career in science:

- Paramedic
- Nursing
- Fitness coaching
- Research
- Chemical Engineering
- Pharmacy
- Forensic science
- Sustainability / renewable energy
- Biotech industry
- Defence
- Education
- Pharmaceutical and diagnostic industries.