

## SUBJECT: APPLIED SCIENCE LEVEL 3 CERTIFICATE

**HEAD OF DEPARTMENT:**  
**MISS K ARDLEY**  
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**SYLLABUS NUMBER:**  
**601/7104/2**  
**AQA**

### SYNOPSIS OF CONTENT

Five out of eight modules are mandatory with one optional unit.

**Unit 1** Key Concepts in Science, written exam.

**Unit 2** Applied Experimental Techniques, Portfolio

**Unit 3** Science in the Modern World written exam with pre-release material.

**Unit 4** Human body, written exam.

**Unit 5** Investigating science, Portfolio.

**Unit 6** Choice of three optional units. Decided as a class.

### SKILLS THAT WILL BE DEVELOPED

Learners will cover topics such as:

- scientific principles associated with Biology, Chemistry and Physics
- experimental and practical techniques associated with applied science
- the roles and skills of scientists, and the public and media perception of science.

Transferable skills:

- research
- teamwork
- problem solving
- written and oral communication.

### SOME USEFUL WEBSITES

Chemistry for Biologists: Photosynthesis  
[rsc.org/Education/Teachers/Resources/cfb/Photosynthesis.htm](http://rsc.org/Education/Teachers/Resources/cfb/Photosynthesis.htm).

AQA teaching resources for A-level Chemistry  
[aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/teaching-resources](http://aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/teaching-resources).

AQA textbooks for AS and A-level Chemistry  
[aqa.org.uk/resources/science/as-and-a-level/chemistry-7404-7405/teach/textbooks](http://aqa.org.uk/resources/science/as-and-a-level/chemistry-7404-7405/teach/textbooks).

An introduction to energy resources from the Open University

[open.edu/openlearn/science-maths-technology/science/environmental-science/energy-resources-introduction-energy-resources/content-section-0](http://open.edu/openlearn/science-maths-technology/science/environmental-science/energy-resources-introduction-energy-resources/content-section-0).

### ASSESSMENT

**Unit 1** Key Concepts in Science, written exam. 1 hr 30 mins,

**Unit 2** Applied Experimental Techniques, Portfolio, internal assessment.

**Unit 3** Science in the Modern World, written exam with pre-release material. 1 hr 30 mins.

**Unit 4** Human body, written exam. 1 hr 30 mins.

**Unit 5** Investigating Science, Portfolio, internal assessment.

**Plus one option.**

The units are graded Pass, Merit or Distinction following the application of compensation rules.

The overall qualification is graded as P, M, D and D\*.

50% external, 50% internal assessment.

### SPECIFIC MATRICULATION REQUIREMENTS

A **grade C** in Core **and** Additional science.

### OTHER INFORMATION

#### E.g. Field Trips/expenses/books

There may be an opportunity to see science in action, in industry.

Students will have the opportunity to buy revision guides through the school.