**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.

AQA teaching resources for A-level Chemistry
aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/teaching-resources.

AQA textbooks for AS and A-level Chemistry

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.

**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.