APPLIED SCIENCE

EXAM BOARD: AQA

WHAT WILL I STUDY?

UNIT 1 - Key concepts in science (Assessed by exam)
You will develop an understanding of key concepts relating to biology, chemistry and physics. You will use practical work to reinforce knowledge and develop your practical skills.

UNIT 2 - Applied experimental techniques (Research portfolio)
You will be introduced to new experimental techniques, reinforcing methods met previously and developing practical skills including accuracy and precision.

UNIT 3 - Science in the modern world (Assessed by exam)
You will analyse and evaluate scientific information to develop critical thinking skills and understand the use of the media to communicate scientific ideas and theories. Learners will also find out about scientific careers through the different roles scientists undertake in scientific organisations.

UNIT 4 – The human body (Assessed by exam)
Learners will develop knowledge and understanding of the structure and function of the digestive system, the components of a balanced and imbalanced diet and the effects on health.

UNIT 5 - Investigating science (Research portfolio)
Learners gain the opportunity to undertake the role of a research scientist, following standard procedures to complete a scientific investigation.

UNIT 6 - Organic chemistry (Research portfolio)
Learners are introduced to preparative organic chemistry in a wide range of contexts, including pharmaceuticals, dyes and bio-diesel. Learners will synthesise organic compounds and will develop practical chemistry skills and techniques.

HOW WILL I BE ASSESSED?

A combination of coursework and exams as outlined above. Each unit contributes an equal amount to the A Level.

MINIMUM GCSE REQUIREMENTS

- Combined Science grade 5-5 or better or any two Separate Sciences at Grade 5 or above.
- Mathematics grade 5

POSSIBLE PROGRESSION PATHWAYS

A-level Applied Science is a good choice for students considering higher education in any Science-based course, including:

- Biochemical Sciences
- Chemistry
- Food Technology
- Human
- Physiology
- Nursing
- Sports Science
- Materials Science
- Medical Physics
- It can also be a useful subject when considering Higher Level Apprenticeships particularly those in scientific fields