

SUBJECT: Applied Science Single Award

QUALIFICATION: AS/ A2

QUALIFICATION LEVEL: LEVEL 3

QUALIFICATION TYPE: Advanced Subsidiary/Advanced

AWARDING BODY: AQA

CATEGORY: Science

Qualification Accreditation Number (QAN): 8771 / 8776

DESCRIPTION

The AS and Advanced GCE in Applied Science are ideal qualifications for those students who want a broad background in science, which will allow them to progress to further or higher education, training or employment.

The qualification covers a mixture of teaching and learning experiences from the theoretical through to those with a clear practical emphasis. The course has a strong coursework element and covers a broad range of scientific concepts.

WHAT WILL I LEARN?

The Advanced Subsidiary single award will comprise three AS units. In:

- Unit 1 you will discover how an organisation uses science in its processes, including the wider impact upon the community.
- Unit 2 covers the human circulatory and respiratory systems, methods used in monitoring health and in diagnosis and the ethical issues relating to them and energy transfer both in the body and in wider contexts.
- Unit 3 gives you the opportunity to learn how to how to conduct qualitative analysis, volumetric (quantitative) analysis; chromatographic analysis and colorimetric analysis.

The Advanced single award will comprise these three AS units and three further A2 units.

In the first unit you will learn about the stages involved in planning a practical investigation; including how to conduct a practical investigation; record, process, evaluate and draw conclusions and present your practical investigation to a client.

The other possible units include the healthy body, colour chemistry, medical physics, the physics of performance effects, controlling chemical processes, sports science and ecology.

WHAT ARE THE ENTRY REQUIREMENTS?

Grade C in GCSE Additional Science or equivalent

HOW WILL I BE ASSESSED?

At AS there are two portfolio (coursework) assessed units and one examined unit (examination in June)

At A2 there are a further two portfolio (coursework) assessed units and another examined unit (examination in June).

All units have equal weighting.

WHAT ARE THE COSTS?

No additional costs involved.

FUTURE OPPORTUNITIES?

The qualification allows for a number of progression routes:

- *Higher Education*: the Advanced awards provide a sound basis for progression to a range of HE courses, (check with relevant courses to confirm suitability)
- *Employment*: the specification aims to maintain the recognised standards demanded to meet the requirements of various science sectors: chemical industry, health care, leisure and associated industries, medical and laboratory based science, food and catering industries;
- *Related qualifications in the National Qualifications Framework*: the awards enable students to progress to other science related qualifications such as GCE.

FURTHER INFORMATION