

GCSE Science offers grades of sufficiently high quality to enable students to continue study in any or all of the 3 traditional Sciences at AS/A2 level. It is also accepted for entry into further education.

What does the course offer me?

The course offers a balanced science which includes aspects of Biology, Chemistry and Physics. The science course consists of 3 units of work: Biology 1, Chemistry 1 and Physics 1.

Biology 1 Content:

- Variety of life, Adaptions and Competition
- Monitoring the environment, energy flow and nutrient transfer
- Inheritance
- Variation
- Evolution
- Response and Regulation
- Health

Chemistry 1 Content:

- Elements and the Periodic Table
- Compounds
- Metals
- Non metals
- Reaction of acids
- The production and uses of fuels and plastics
- The ever-changing Earth

Physics 1 content:

- Generation of Electricity
- Transmission of Electricity
- Energy supply and the home
- Energy Transfer
- The characteristics of waves
- Ionising Radiations
- The solar system and its place in an evolving universe

How will I learn?

The units include a mixture of written work and practical tasks which will assist students to demonstrate:

- an understanding of science and how science works;
- their application of skills and their ability to carry out practicals;
- their ability to analyse, evaluate and consider the validity and how repeatable" / reproducible" collected data can be.

How will I be assessed?

- There will be an External examination in:
 - Biology 1 (1 hour) = 25%
 - Chemistry 1 (1 hour) = 25%
 - Physics 1 (1 hour) = 25%
 - * All external assessments are tiered.
 - * All external assessments are composed of structured questions involving some extended prose.
- Internal assessments = 25%
This consists of a controlled assessment (provided annually by WJEC, to be marked by teachers and then moderated by WJEC)
The assessment in Science A will include short, cross-subject exercises, based upon the subject content of Biology 1, Chemistry 1 and Physics 1. They will concentrate on research skills, hypothesis testing and safety.
- The controlled assessments are untiered.

For further information contact:

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