

Science

Science at GCSE is a double award exam – that is two grades are awarded for the course. One is for **GCSE Core Science which is studied in years 9 and 10**. The other is for **Additional Science in years 10 and 11**.



There are 3 modules in the Core GCSE course.

B1 Biology

- Variation
- Responding to change
- Inter-relationships

C1 Chemistry

- The Earth's sea and atmosphere
- Materials from the Earth
- Acids
- Obtaining and using metals
- Fuels

P1 Physics

- Visible light and the Solar System
- The electromagnetic spectrum
- Waves and the Universe
- Waves and the Earth
- Generation and transmission of electricity
- Energy and the future

Each module is examined separately with a 60 minute paper containing a mixture of multiple-choice, structured and long answer questions. Higher and Foundations Tiers will be available. One controlled assessment for practical skills will be completed for each science in year 10. These assessments are in three parts for Planning, Observations and Conclusions.

The 3 Additional Science modules are:

B2 Biology

- The building blocks of cells
- Organisms and energy
- Common systems

C2 Chemistry

- Atomic structure and the periodic table
- Ionic compounds and analysis
- Covalent compounds and separation techniques
- Groups in the periodic table
- Chemical reactions
- Quantitative chemistry.

P2 Physics

- Static and current electricity
- Controlling and using electric current
- Motion and forces
- Momentum, energy, work and power
- Nuclear fission and nuclear fusion
- Advantages and disadvantages of using radioactive materials

The examination and assessment process for Additional Science will be the same as for the Core but at a significantly higher level of difficulty.



During the course girls will visit relevant places of interest such as the Science Museum and the Royal Institution.

Girls may follow any combination of A-Level Science courses after successful completion of the Double Award at higher level.