

# Science

## Course Outline

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The Double Award Science course is designed to develop knowledge and understanding about the material, physical and living worlds. Students will learn about the application of Science in everyday life and the relationship between Science and society as well as developing their skills in problem solving, mathematics, use of technology and the evaluation of risks and benefits. There are also many opportunities for students to develop their practical skills through laboratory and field based experiments. Two grades will be awarded at the end of this course.

## What will I study?

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The Science course is split into 8 units, which focus upon the three main scientific disciplines:

### Year 10

- Biology 1 - Cells, body systems, plants and human impact on the environment
- Chemistry 1 - Fundamentals of chemistry, the Earth and its resources
- Physics 1 - Energy, electricity and waves

### Year 11

- Biology 2 -Biodiversity, inheritance and human response and regulation
- Chemistry 2 - Atoms, bonding and chemical reactions
- Physics 2 - Laws of motion, space and radiation
- Practical Assessment - Obtaining and analysing scientific data

Throughout the course, students will learn How Science Works. This underpins the science in the course and ensures that candidates understand scientific method, including the formulation of hypotheses and the collection and analysis of experimental data.

A Triple Science pathway will also be available to a small number of pupils particularly interested in pursuing Science as a career.

