

# Sciences

**Course Type:** GCSE

**Course Leader:** Mr O'Callaghan

## **Topics covered:**

- **Biology** – Organisms, Genes & Evolution, Ecology
- **Chemistry** – Matter and the periodic table, Earth's resources, Chemical reactions
- **Physics** – Forces and motion, Energy and particles, Electromagnetism

## **How is this subject examined:**

**Combined (dual) science:** Six 1 hour 15 mins exams (two biology, two chemistry, two physics)  
– The total for all six exams is then calculated, and a double GCSE grade is generated from the cumulative scores of these exams and awarded as two science GCSEs.

**Separate (triple) science:** Six 1 hour 45 mins exams (two biology, two chemistry, two physics)  
– The total of the two biology exams is calculated, and a grade is generated from the cumulative scores of these exams and is awarded as a single Biology GCSE.

The same process also occurs for the chemistry and physics.

The decision as to which students study combined (dual) science and which study separate (triple) science is made by the science department in the final term of year 9. The decision for who studies which course is primarily made on student attainment.

## **Career Opportunities:**

Accountant - Aerospace engineer - Analytical chemist - Architect - Astrophysicist - Chemical engineer - Civil engineer - Computer programmer - Cosmetic chemist - Plus many more!