

# Triple Science

**Faculty Lead – Mr D Twist**

**Technical Pathway:  
T Level Science**

Triple Science counts for three GCSEs, giving students the option to study the three scientific disciplines separately. The courses will allow students to develop their knowledge of Biology, Chemistry and Physics further than the GCSE Science option and will push them to further their understanding of key topic areas from within each field.

Alongside this content, students will complete a variety of mandatory practical investigations that they will be assessed on as part of their final exam.

Topics studied on each of the courses include:

## **Biology:**

- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

## **Chemistry:**

- Quantitative chemistry
- Chemical changes
- Energy changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere

## **Physics:**

- Atomic structure
- Forces
- Waves
- Magnetism and electromagnetism

## **Assessments:**

There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas.

## **Co – Curricular Opportunities:**

- Termly visits to University Partner science labs
- Annual science Employer Insight Day
- Science specific virtual and in-person work experience opportunities
- STEM aqua and hydroponics club

## **Employer Links:**

- Manchester Metropolitan University
- Jacobs
- Victrex
- NHS

## **Careers linked to this subject:**

- Biomedical Scientist
- Marine Scientist
- Forensic Analyst
- Pathologist
- Pharmaceutical Scientist
- Meteorologist