

# TRIPLE SCIENCE (3 separate Science GCSEs)

**Head of Faculty: Mrs P McConalogue** [pmcconalogue@tenburyhigh.co.uk](mailto:pmcconalogue@tenburyhigh.co.uk)

Pupils will have the opportunity to select **Triple Science** as an option at Key Stage 4. This means they will be offered the opportunity to study separate Biology, Chemistry and Physics GCSEs, therefore having the opportunity to gain 3 GCSEs in science.

**Syllabus:** 8461, 8462 and 8463  
**Exam Board:** AQA  
**Exam Board Website:** [www.aqa.org.uk](http://www.aqa.org.uk)  
**Subjects:** GCSE Biology, GCSE Chemistry and GCSE Physics

## Triple Science syllabus content:

- Biology: Cell biology, organisation, infection and response, bioenergetics, homeostasis and response, inheritance, variation and evolution and ecology
- Chemistry: Atomic structure and the periodic table, bonding, structure, and the properties of matter, quantitative chemistry, chemical changes, energy changes, the rate and extent of chemical change, organic chemistry, chemical analysis, chemistry of the atmosphere, using resources
- Physics: Forces, energy, waves, electricity, magnetism and electromagnetism, particle model of matter, atomic structure, space physics (physics only)



## Time Allocation:

6 x 50 minute lessons per week in year 10 and year 11.

## Future Education Opportunities:

Biology, Chemistry, Physics AS/A Level and Degree/Masters/Post Grad. Courses, Veterinary/medical training.

## Assessment:

Pupils will study biology, chemistry and physics in years 10 and 11. The GCSE is 100% exam based and no coursework will be completed. For each GCSE, pupils will sit two 1 hour and 45 minute papers. Each paper is worth 50% of the GCSE. Paper 1 will cover topics 1-4 Biology, 1-5 Chemistry and 1-4 Physics. Paper 2 covers topics 5-7 for Biology, 6-10 for Chemistry and 5-8 for Physics. The exam paper will be comprised of multiple choice, structured, closed short answer and open response questions.

## Future Career Opportunities:

- Veterinary surgeon
- Doctor
- Surgeon
- Marine Biologist
- Pharmacist
- Nuclear Physicist
- Radiographer
- Engineer
- Designer
- Animal Care at a variety of levels
- Rocket Scientist!