

# Additional Science

Head of Science - Mr I Hughes

KS4 Co-ordinator - Mr G Damant

## **The Course:**

GCSE study in the sciences provides the foundation for understanding the material world. Scientific understanding is changing our lives and is vital to the world's future prosperity. All students should learn essential aspects of the knowledge, methods, processes and uses of science. They should gain appreciation of how the complex and diverse phenomena of the natural world can be described in terms of a small number of key ideas that relate to the sciences and that are both inter-linked and of universal application. Additional Science builds upon the subject matters studied in the Core Science course. It comprises 3 external examinations covering Biology, Chemistry and Physics and 25% Controlled Internal Assessment.

**This course is compulsory for all students.**

## **What could it lead to in Sixth Form?**

The course provides the basis for Level 3 study in a wide range of scientific subjects including BTEC's in Applied Science, Sports Science and more traditional options such as A levels in Biology, Chemistry or Physics.

## **What careers/University courses would this subject help me to enter?**

### **Possible University Courses**

Science qualifications are widely recognised by all universities. The skills developed are highly valued in further scientific study at university, such as Accountancy, Law, Engineering, Biology, Chemistry and Physics.

### **Possible Careers**

Science qualifications are widely recognised by employers. The skills developed are highly valued in any analytical industry such as Accounting, Law and Engineering, also assisting in a wide range of career opportunities in the NHS or Science Industry.

# Triple Science

Head of Science - Mr I Hughes

KS4 Co-ordinator - Mr G Damant

## **The Course:**

GCSE study in the sciences provides the foundation for understanding the material world. Scientific understanding is changing our lives and is vital to the world's future prosperity. All students should learn essential aspects of the knowledge, methods, processes and uses of science. They should gain appreciation of how the complex and diverse phenomena of the natural world can be described in terms of a small number of key ideas that relate to the sciences and that are both inter-linked and of universal application.

Students following the Triple Science pathway will receive 3 Science GCSE qualifications in Biology, Chemistry and Physics.

Each subject is comprised of 3 external examination and 25% Controlled Internal Assessment.

## **What could it lead to in Sixth Form?**

The course provides the basis for Level 3 study in a wide range of scientific subjects including BTEC's in Applied Science, Sports Science and more traditional options such as A levels in Biology, Chemistry or Physics.

## **What careers/University courses would this subject help me to enter?**

### **Possible University Courses**

Science qualifications are widely recognised by all universities. The skills developed are highly valued in further scientific study at university, such as Accountancy, Law, Engineering, Biology, Chemistry and Physics.

### **Possible Careers**

Science qualifications are widely recognised by employers. The skills developed are highly valued in any analytical industry such as Accounting, Law and Engineering, also assisting in a wide range of career opportunities in the NHS or Science Industry.

# Separate Sciences

Head of Science - Mr I Hughes

KS4 Co-ordinator - Mr G Damant

## **The Course:**

This pathway allows students to achieve three separate GCSEs in each of the main disciplines of Science. The grades will be independent of each other. This pathway has additional content not covered in the Core and Additional Science lessons which is taught in three option lessons per week. This pathway is most suited to students wishing to enter into A Level Science qualifications in two or more sciences.

## **What could it lead to in Sixth Form?**

A Level Biology, Chemistry and Physics  
A Level Human Biology

## **What careers/university courses would this subject help me to enter?**

### **Possible University Courses**

Degrees in Medicine, Chemistry, Biology, Physics and Life Science.

### **Possible Careers**

Careers within the NHS, Teaching, Sports Science and many other Science related careers which rely on a solid understanding of scientific principles.