

# Science

Head of Science - Mr I Hughes

## **Topics of Study This Year:**

Year 9 pupils will begin studying the Combined Science (9-1) GCSE

### **Term 1**

#### **Half Term 1**

Key Concepts in Biology

Motion

#### **Half Term 2**

Key Concepts in Chemistry  
(Atomic Structure and the  
Periodic Table)

Forces and Motion

### **Term 2**

#### **Half Term 1**

Cells and Control

Key Concepts in Chemistry  
(Ionic and Covalent Bonding)

Conservation of Energy

#### **Half Term 2**

Key Concepts in Chemistry  
(Types of Substance)

Genetics

### **Term 3**

#### **Half Term 1**

Natural Selection and Genetic  
Modification

Waves

Key Concepts in Chemistry  
(Calculations with Masses)

#### **Half Term 2**

Light and the Electromagnetic  
Spectrum

Radioactivity

## **Assessments:**

Pupils will be assessed at the end of each topic using GCSE exam style questions and cumulatively at the end of each term.

## **Key Dates:**

No external examinations are taken in Year 9.

## **Homework:**

Students will be set a variety of homework activities. These will predominately be exercises electronically on "active teach", students will be able to access computers in the library both before and after school.

## **Other Useful Information:**

The schools virtual learning site, Moodle has science resources on it for pupils to test knowledge and revise science subjects.

The BBC bitesize website is highly recommended for pupils to revise science topics.