

## BIOLOGY – Year 11

<b>Course Title: Biology</b>	<b>Exam Board:AQA</b>	<b>Specification Code:8461</b>
<p><b>How will students be assessed?</b></p> <p>Students will sit two external exams at the end of Year 11. Each paper is worth 50% of their final GCSE grade. Both exams will be 1 hour and 45 minutes in length requiring students to answer multiple choice, structured, closed short answer and open response questions. Questions will be knowledge based as well as drawing on the practical work that students have completed throughout the course.</p> <p><b>Biology GCSE Paper 1:</b> This will assess the topic areas of cell biology, organisation, infection and response and bioenergetics</p> <p><b>Biology GCSE Paper 2:</b> This will assess the topic areas of homeostasis and response, inheritance, variation and evolution and ecology</p>		

<b>KEY CONTENT</b>
<p><b>Half Term 1</b></p> <p><b>Genetics and inheritance</b></p> <p>Sexual and asexual reproduction</p> <p>Meiosis and Mitosis</p> <p>DNA and the genome, DNA structure and protein synthesis</p> <p>Genetic inheritance, inherited disorders</p> <p>Sex determination</p> <p><b>Assessment</b> <b>Reproduction</b></p>
<p><b>Half Term 2</b></p> <p><b>Evolution</b></p> <p>Variation</p> <p>Evolution</p> <p>Selective breeding</p> <p>Genetic engineering</p> <p>Cloning</p> <p>Resistant bacteria</p> <p><b>Exam questions on variation and evolution and classification and understanding</b></p> <p><b>MOCK Exam</b></p>

## **KEY CONTENT**

### **Half Term 3**

#### **Ecology**

Adaptation, interdependence and competition

Organisation of ecosystems

**Assessment organisms and adaptation**

**Assessment organisation of an ecosystem**

### **Half Term 4**

Biodiversity and the effect of human interaction on ecosystems

Trophic levels in an ecosystem

Food production

**Assessment biodiversity and food**

### **Half Term 5**

#### **Catch up time**

**Preparation for exams including practice of math, graph and practical skills**

### **Half Term 6**