

## PCHS Curriculum Information – Year 9

<b>Course Title: Biology</b>	<b>Exam Board: AQA</b>	<b>Specification Code: 8462</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. All exams will be 1 hour and 45 minutes in length requiring students to answer 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>Cells and Microscopy</b></p> <p>Prokaryotic and Eukaryotic cells</p> <p>Structure and Function of organelles</p> <p>Use of Microscopes</p>
<p><b>Half Term 2</b></p> <p><b>Cells</b></p> <p>Structure and Function of organelles</p> <p><b>Assessment on cells</b></p> <p><b>Mitosis and stem cells</b></p> <p>Mitosis and the cell cycle</p> <p>Stem cells and application of stem cell technology</p>
<p><b>Half Term 3</b></p> <p><b>Mitosis and stem cells</b></p> <p>Mitosis and the cell cycle</p> <p>Stem cells and application of stem cell technology</p> <p><b>Assessment on Mitosis, stem cells and the cell cycle.</b></p>

**Transport**

Diffusion, osmosis and active transport

Application of knowledge to biological situations

**Half Term 4****Transport**

Diffusion, osmosis and active transport

Application of knowledge to biological situations

**Assessment on transport****KEY CONTENT****Half Term 5****Proteins and the digestive system**

Structure and function of the digestive system

Food testing

**Half Term 6****Proteins**

Enzymes

Factors affecting enzyme action

**Assessment on enzymes and digestion**