

Year 9 Biology		Name:
Sept - Dec	<ul style="list-style-type: none"> <li>• Plant structure</li> <li>• Plant reproduction for food security</li> <li>• Practical - How light intensity effects the rate of photosynthesis</li> <li>• Leaf structure</li> <li>• Stomata</li> <li>• Transport in plants</li> <li>• (Saving water – plant adaptations)</li> <li>• Uses of glucose and the dependence of other organisms on plants</li> <li>• Storing starch and testing for the presence of starch.</li> <li>• Deforestation</li> <li>• Fertilisers – Extension work</li> <li>• <b>Test 1 – Plants and photosynthesis</b></li> </ul>	
Jan - Feb	<ul style="list-style-type: none"> <li>• Use of Microscopes</li> <li>• Plant and animal cells – structure at GCSE</li> <li>• Drawing cells</li> <li>• Specialised cells</li> </ul>	
Feb - March	<ul style="list-style-type: none"> <li>• Specialised cells biological drawings</li> <li>• Inside bacteria</li> <li>• Microscopes Light Vs Electron + converting SI units</li> <li>• Magnification calculations</li> <li>• <b>Test 2 – Cells and microscopy</b></li> </ul>	
April - May	<ul style="list-style-type: none"> <li>• Enzyme mechanism</li> <li>• Factors that affect enzyme action – Substrate concentration</li> <li>• Factors that affect enzymes – pH</li> <li>• Factors that affect enzymes – Temperature</li> </ul>	
June – July	<ul style="list-style-type: none"> <li>• Enzymes and nutrition</li> <li>• <b>Test 3 – End of year tests</b></li> <li>• Transport into and out of cells - Diffusion</li> <li>• Transport in cells – Osmosis</li> <li>• Investigating osmosis</li> <li>• Transport in cells – Active Transport</li> </ul>	
Test 1 (January 2025) – term one topics (Sept – Dec)		
Test 2 (March 2025) – term two topics (Jan – March)		
Test 3 (summer 2025) – End of year test covering all content		