

Subject	Biology		
	Interpretation of National Curriculum into Year group Endpoints		
Year	Term 1	Term 2	Term 3
11	<p>Students will describe and explain the concepts of:</p> <p><b>B6 Inheritance, variation and evolution</b></p> <ul style="list-style-type: none"> <li>• single gene inheritance and single gene crosses with dominant and recessive phenotypes</li> <li>• sex determination in humans</li> <li>• genetic variation in populations of a species</li> <li>• the process of natural selection leading to evolution</li> <li>• the evidence for evolution</li> <li>• developments in biology affecting classification</li> <li>• the importance of selective breeding of plants and animals in agriculture</li> <li>• the uses of modern biotechnology including gene technology; some of the practical and ethical considerations of modern biotechnology</li> </ul> <p><b>B7 Ecology</b></p> <ul style="list-style-type: none"> <li>• levels of organisation within an ecosystem</li> <li>• some abiotic and biotic factors which affect communities; the importance of interactions between organisms in a community</li> <li>• how materials cycle through abiotic and biotic components of ecosystems</li> <li>• the role of microorganisms (decomposers) in the cycling of materials through an ecosystem</li> <li>• organisms are interdependent and are adapted to their environment</li> <li>• the importance of biodiversity</li> <li>• methods of identifying species and measuring distribution, frequency and abundance of species within a habitat</li> <li>• positive and negative human interactions with ecosystems</li> </ul>	<p>Students will complete PPEs, review these papers and then follow a structured revision program of all 7 units of study that make up GCSE Biology.</p>	<p>Students will take the two exams which make up the assessment for GCSE Biology.</p>