

## Year 11 Biology Curriculum Map -

Half term	Topics to be covered	Overview of content	Assessment
Advent 1.1	B. 10 The Human Nervous system  B11 Hormonal coordination	<ul style="list-style-type: none"> <li>• Principles of homeostasis</li> <li>• Structure and function of the human nervous system</li> <li>• The eye</li> <li>• The brain</li> <li>• Required Practical 7: Investigate the effect of a factor on human reaction time</li> <li>• Principles of hormonal control</li> <li>• The control of blood sugar and diabetes</li> <li>• The role of hormones in human reproduction</li> <li>• Plant hormones and responses to the environment</li> <li>• Required Practical 8: Investigate the effect of light or gravity on the growth of newly germinated seedlings</li> </ul>	Mock exam B1 – B9 Paper 1  1 hour 45 minutes
Advent 1.2	B.12 Homeostasis in action  B13 Reproduction	<ul style="list-style-type: none"> <li>• Controlling body temperature</li> <li>• Kidneys and the control of water</li> <li>• Types of reproduction</li> <li>• Cell division by meiosis</li> <li>• DNA structure</li> <li>• Inheritance and genetic disorders</li> </ul>	Test: B13 – B14
Lent 2.1	B.14 Variation and Evolution	<ul style="list-style-type: none"> <li>• Variation</li> <li>• Evolution by natural selection</li> </ul>	

		<ul style="list-style-type: none"> <li>• Selective breeding, genetic engineering and cloning</li> </ul>	
Lent 2.2	B15 Genetics and evolution	<ul style="list-style-type: none"> <li>• Theories of evolution</li> <li>• Evidence for natural selection</li> <li>• Classification</li> </ul>	Mock exam B10 – B16 Paper 2 1 hour 45 minutes
Pentecost 2.1	B17 Organising an ecosystem B18 Biodiversity and ecosystems	<ul style="list-style-type: none"> <li>• Feeding relationships</li> <li>• Materials cycling</li> <li>• Carbon Cycle</li> <li>• Rates of decomposition</li> <li>• Human population explosion</li> <li>• Land, air and water pollution</li> <li>• Climate change</li> <li>• Maintaining biodiversity</li> <li>• Food production and food security</li> </ul>	B17 - B18