

Year 11 Biology Curriculum Map -

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

		<ul style="list-style-type: none"> • Selective breeding, genetic engineering and cloning 	
Lent 2.2	B15 Genetics and evolution	<ul style="list-style-type: none"> • Theories of evolution • Evidence for natural selection • Classification 	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"> • Feeding relationships • Materials cycling • Carbon Cycle • Rates of decomposition • Human population explosion • Land, air and water pollution • Climate change • Maintaining biodiversity • Food production and food security 	B17 - B18