



The curriculum for this stage of students' education has been designed to build upon their prior knowledge from year 9 & 10 GCSE Biology. This course provides a worthwhile background for all students, whether or not they intend to go on to study Biology beyond GCSE. The course enables students to acquire a body of scientific knowledge and develop an understanding of the ideas and applications of Biology e.g. how cells work, how diseases are combatted, how organisms control their internal environment and are affected by the external environment leading to adaptations and evolution of new species. This is set in the context of knowing and understanding a body of scientific facts. Students acquire an understanding and experience of the methods used in science and of the application of experimental techniques in everyday life.

<p><u>HALF TERM 1: Homeostasis</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • The structure & function of the human nervous system • How reflexes aid the body & the function of synapses • The role of hormones in the body • The hormonal control of the human reproductive cycle <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>	<p><u>HALF TERM 2: Homeostasis</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • The evidence for evolution including fossil evidence • How selective breeding is carried out • How genetic engineering is carried out • How we classify living organisms <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>	<p><u>HALF TERM 3: Inheritance, Variation & Selection</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • How variation occurs • The evidence for evolution including fossil evidence • How selective breeding is carried out • How genetic engineering is carried out <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>
<p><u>HALF TERM 4: Inheritance, Variation & Selection</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • How antibiotic resistance evolves in bacteria • How we classify living organisms <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>	<p><u>HALF TERM 5: Final Revision & Examinations</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Revision for examinations of year 9 & 10 work • Completion of required practicals via demonstration and hands on experience <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>	<p><u>HALF TERM 6: Final Revision & Examinations</u> STUDENTS MUST KNOW:</p> <ul style="list-style-type: none"> • Revision for examinations <p>HOW THIS WILL BE ASSESSED: Assessments will be completed at the end of each topic and one main assessment will occur during each term to assess progress.</p>

Embedding this knowledge can be supported at home by using the AQA website, BBC Bitesize and GCSEPOD in conjunction with suitable revision guides.