

BIOLOGY – Year 11

Course Title: GCSE Biology	Exam Board: AQA	Specification Code: 8461
How will students be assessed? Students will sit two external exams at the end of Year 11. Each paper is worth 50% of their final GCSE grade. Both exams will be 1 hour and 45 minutes in length requiring students to answer multiple choice, structured, closed short answer and open response questions. Questions will be knowledge based as well as drawing on the practical work that students have completed throughout the course. Biology GCSE Paper 1: This will assess the topic areas of Cell biology, Organisation, Infection and response and Bioenergetics Biology GCSE Paper 2: This will assess the topic areas of Homeostasis and response, Inheritance, variation and evolution and Ecology		

Half Term	Key Content
1	Ecology 1 ● Recap of Communities and adaptations from Year 10 ● Levels of organisation in ecosystem ● Trophic levels in an ecosystem ● Biodiversity ● The effect of human interaction on ecosystems Assessment on the Ecology 1
2	Ecology 2: ● Material Cycles ● Decomposition ● Food production ● Biotechnology Required Practical 10: Decay ● Mock exam Revision MOCK EXAM

3	Reproduction: Inheritance • Sexual and asexual reproduction • Meiosis and Mitosis • DNA and the genome, DNA structure and protein synthesis • Genetic inheritance, inherited disorders • Sex determination Assessment on Reproduction
4	Variation and Evolution Variation Evolution Selective breeding Genetic engineering Cloning Resistant bacteria Assessment on Variation and evolution and classification and understanding
5	Revision