

Key Stage 4 Subject Overview: GCSE Biology

Course Information:

Course name: Biology

Exam Board: AQA

Subject Code:4401

Course Structure:

Unit title	Unit 1	Unit 2	Unit 3	Unit 8
Description	B1	B2	B3	ISA
Course weighting	25%	25%	25%	25%

Key Stage 4 Timeline

Year 10			Year 11		
Autumn	Spring	Summer	Autumn	Spring	Summer
Cells, tissues and organs	Adaptation for survival	Evolution	Enzymes	Old and new species	Keeping internal conditions constant
Coordination and control	Energy in biomass	Cells, tissues and organs	Energy from respiration	Exchange of materials	How humans can affect the environment
Medicine and drugs	Variation, reproduction and new technology	Organisms in the environment	Simple inheritance in animals and plants	Transporting materials	

Assessment Criteria

A*	A	C
<p>Apply content knowledge to a range of events.</p> <p>Analyse graphs to make conclusion .</p> <p>Evaluate arguments and justify own opinion based on scientific points made.</p> <p>Rearrange equations to perform calculations and use answers from calculations to make recommendations .</p> <p>Write symbol and half equations .</p> <p>Make recommendations based on scientific evidence .</p> <p>link ideas from different areas to provide explanations.</p> <p>Argue ethical issues and make valid choices based on arguments.</p>	<p>Applying knowledge from each topic to everyday problems .</p> <p>Plan experiments to investigate scientific ideas</p> <p>Compare results and arguments.</p> <p>Interpret models and show how scientific ideas have changed over time.</p> <p>Rearrange equations to perform calculations.</p> <p>Write balanced chemical equations.</p> <p>Distinguish between evidence and opinions</p>	<p>In each topic be able to:</p> <p>Explain all the concepts above.</p> <p>Carry out investigations to investigate hypothesis.</p> <p>Interpret data shown on graphs and tables.</p> <p>Carry out calculations using data sheet .</p> <p>Write word equations.</p> <p>Make and interpret scientific models.</p> <p>Apply concrete ideas to less familiar situations.</p>