



Course Outline

Pupils are required to successfully complete 3 units of work as follows:

- **Unit 1 – DNA and the genome** – Learning about the Structure and replication of DNA, the genome, and control of gene expression, mutations, evolution and genomic sequencing.
- **Unit 2 – Metabolism and Survival** – Learn about metabolism and its control, cellular respiration, how metabolism helps organisms to survive adverse conditions and also environmental and genetic control of metabolism and microorganisms.
- **Unit 3 – Sustainability and Interdependence** – Learn about the sustainable production of food, photosynthesis, plant and animal breeding, crop protection, social interactions between organisms and Biodiversity.

The external exam consists of:

- Two written examination papers, marked externally by the SQA
- An Assignment researched in class and at home, written up in exam conditions before being marked externally by SQA. The Assignment contributes 20% to the overall external assessment.

To improve on his current performance with **Higher Biology** your child could use some of the following strategies:-

Strategy	✓
Produce a study planner to ensure regular study each week	
Revise course notes regularly to keep on top of content	
Make use of spider diagrams, cue cards or other study aids to help organise key pieces of information	
Complete all homework tasks set and on hand in on time	
Attend supported study classes when on offer	
Attempt SQA past examination questions under timed conditions – www.sqa.org.uk	
Ensure deadlines are met for SQA assignments	
Identify command words at the start of questions to ensure questions are answered properly	
Apply more effort in class to ensure all work is complete	
Make use of on-line learning resources such as Scholar /BBC Bitesize/YouTube/	
Engage more with classroom discussions and focus on activities to develop knowledge and understanding	
Extend the level of detail and exemplification in written work	
Prepare thoroughly for class assessments and act on any feedback provided by class teachers	
Work to the best of your ability and take a more serious attitude to your studies.	
Improve attendance and catch up on any work missed.	
Spend time preparing for the assignment given it's worth 20% of the overall mark	
Use feedback from the prelim / class assessments to inform revision planning and identify areas for improvement e.g. >	

Websites – Scholar and BrightRed need a login (Scholar – provided/ Bright red – free registration)

<https://courses.scholar.hw.ac.uk/vle/scholar/> <http://www.brightredbooks.net/subjects/higherbiology>

www.sqa.org.uk <https://www.youtube.com>

<https://www.bbc.com/bitesize/subjects/zm6tyrd>

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