

# HIGHER BIOLOGY ESSENTIAL INFORMATION

Which topics are covered at Higher?		What apps and websites can I use to support my learning?				
DNA and the genome	Structure of DNA	<a href="https://scholar.hw.ac.uk/courses/">https://scholar.hw.ac.uk/courses/</a> <a href="https://www.bbc.co.uk/bitesize/subjects/zm6tyrd">https://www.bbc.co.uk/bitesize/subjects/zm6tyrd</a> <a href="https://www.sqa.org.uk/pastpapers/findpastpaper.htm">https://www.sqa.org.uk/pastpapers/findpastpaper.htm</a>				
	Replication of DNA					
	Gene expression					
	Cellular differentiation					
	The structure of the genome					
	Mutations					
	Evolution					
	Genomic sequencing					
	Metabolism and survival					Metabolic pathways
	Cellular respiration					
Metabolic rate						
Metabolism in conformers and regulators						
Metabolism and adverse conditions						
Environmental control of metabolism						
Genetic control of metabolism						
Sustainability and interdependence	Food supply, plant growth and productivity					
Plant and animal breeding						
Crop protection						
Animal welfare						
Symbiosis						
Social behaviour						
Components of biodiversity						
Threats to biodiversity						
<b>How is the course assessed?</b>		<b>Are there important dates of which I should be aware?</b>				
		Sep/Oct – Formal Assessment Phase 1 January – Formal Assessment Phase 2 March – Assignment (20% of final grade) May – Final exam				
COMPONENT	DETAILS	LENGTH	MARKS	SCALED	%	
<b>FINAL EXAM</b> Paper 1:	<b>Multiple Choice</b>	40 minutes	25 marks	25 marks	16.7%	
<b>FINAL EXAM</b> Paper 2:	<b>Short Response Questions</b>	2 hours 20 mins	95 marks	95 marks	63.3%	
<b>INTERNAL EXAM:</b> Assignment	Assignment - undertaken in class under close supervision. Submitted to SQA for marking	8 hours, of which a maximum of 2 hours is allowed for the report stage	20 marks	30 marks	20%	
<b>What resources do I need?</b> Resources from lessons (One Note and Teams) Login details to essential websites (above)		<b>What else can I do to improve?</b> Attempt past papers (blind to marking instructions) and then check your answers. Pay particular attention to command words in past paper questions and what the answer requires.				
<b>Where can I find more information about the exam and assignment?</b> The SQA Understanding Standards provides exemplars and grades awarded. <a href="https://www.understandingstandards.org.uk/">https://www.understandingstandards.org.uk/</a>		<b>How do I ensure top marks?</b> Work consistently throughout the year. Listen to and act on teacher feedback. Prepare for all assessments. Take advantage of study support opportunities.				
<b>Where do I find the past papers?</b> These are on One Note but you will also find past papers back to 2018 on the SQA site. <a href="https://www.sqa.org.uk/pastpapers/findpastpaper.htm">https://www.sqa.org.uk/pastpapers/findpastpaper.htm</a>						
<b>Where do I find more information about the course?</b> <a href="https://www.sqa.org.uk/files_ccc/h-course-spec-biology.pdf">https://www.sqa.org.uk/files_ccc/h-course-spec-biology.pdf</a>						