

Advanced Higher Biology – Success Criteria

Formal Assessments:

- ✓ Percentage achieved in Formal Assessments.
- ✓ Areas of strength and areas for development as a result of Formal Assessments.
 - Knowledge and understanding
 - **Cells and Proteins**
 - laboratory techniques for biologists
 - proteins
 - membrane proteins
 - communication and signalling
 - protein control of cell division
 - **Organisms and Evolution**
 - field techniques for biologists
 - evolution
 - variation and sexual reproduction
 - sex and behaviour
 - parasitism
 - **Investigative Biology**
 - scientific principles and process
 - experimentation
 - reporting and critical evaluation of biological research
 - Scientific inquiry and investigation skills
 - planning and designing biological experiments/investigations, carrying out complex experiments in biology safely, recording systematic detailed observations and collecting data
 - Analytical and problem-solving skills in a Biological context
 - processing and analysing biological information/data (using calculations, significant figures and units), critically evaluating experimental procedures by identifying sources of error and suggesting and implementing improvements
- ✓ Consistency shown in Formal Assessments.

Informal Assessments:

- ✓ Areas of strength and areas for development as a result of Informal Assessments.
- ✓ Consistency shown in Informal Assessments.
- ✓ Structure of answers and examples used in written responses.

Investigation – 30% of overall SQA grade:

- ✓ That I can clearly follow the success criteria for the investigation.
- ✓ Create an abstract – aim(s), finding(s)/conclusion(s)
- ✓ Introduction – underlying biology
- ✓ Procedure including completion of practical investigation
- ✓ Results – raw and processed
- ✓ Discussion – conclusion(s) and evaluation

Class/Homework:

- ✓ That I have full and clear notes on all topics covered in the course.
- ✓ I will engage in learning and complete the activities asked of me to the best of my ability.
- ✓ That I respond positively to any advice on homework and try to improve this area.

What will be taken into consideration when deciding on a teacher-estimated grade for Advanced Higher Biology?

- Performance in the Formal Assessment(s) e.g. End of Unit assessments/FAB.
 - Weighting – 40% Unit 1, 70% FAB 1, 100% FAB 2
- Performance in the informal assessments, which are ongoing throughout the year:
 - Form quizzes on teams
 - Practice timed questions in class.
- The completion of the assignment (30% of overall SQA grade).
- Commitment and Quality in class
- Commitment and Quality of homework.