

Higher Biology – Success Criteria

Formal Assessments:

- ✓ Percentage achieved in Formal Assessments.
- ✓ Consistency shown in Formal Assessments.
- ✓ Areas of strength and areas for development as a result of Formal Assessments.
 - Knowledge and understanding
 - **DNA and the Genome**
 - structure of DNA
 - 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
 - Analytical and problem-solving skills in a Biological context
 - Using calculations
 - presenting/interpreting information in a variety of forms

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.

Assignment – 20% of overall SQA grade:

- ✓ That I can clearly follow the success criteria for the assignment.
- ✓ Aim
- ✓ Underlying Biology of chosen topic
- ✓ Data collection and handling – method, raw data, processed data
- ✓ Graphical presentation
- ✓ Analysis
- ✓ Conclusion
- ✓ Evaluation
- ✓ Structure

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 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 (20% of overall SQA grade).
- Commitment and Quality in class
- Commitment and Quality of homework.