

## Higher Human 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
    - **Human Cells**
      - division and differentiation in human cells
      - structure and replication of DNA
      - gene expression
      - mutations
      - human genomics
      - metabolic pathways
      - cellular respiration
      - energy systems in muscle cells
    - **Physiology and Health**
      - gamete production and fertilisation
      - hormonal control of reproduction
      - the biology of controlling fertility
      - antenatal and postnatal screening
      - the structure and function of arteries, capillaries and veins
      - the structure and function of the heart
      - pathology of cardiovascular disease (CVD)
      - blood glucose levels and obesity
    - **Neurobiology and Immunology**
      - divisions of the nervous system and neural pathways
      - the cerebral cortex
      - memory
      - the cells of the nervous system and neurotransmitters at synapses
      - non-specific body defences
      - specific cellular defences against pathogens
      - immunisation
      - clinical trials of vaccines and drugs
  - 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 Human 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.