**Applecross Senior High School**

**Unit 1 & 2 Human Biology**

**Heart Rate Investigation**

You will complete this investigation in 4 parts: Research, Experiment, Report and Test .

**Research**: Many factors affect heart rate in humans. You (and your group) need to decide on one factor that affects heart rate that you can test in class in a lesson. Prior to doing the experiment you need to find out past research on your topic.

This will become your introduction of your report. Keep a formal record of your references (use the library guide to check or learn how to write references).

**Investigation**:

1. In your group you will choose one of the factors which affect heart rate. You need to pick a factor that you find interesting and that you know you can test in a single lesson.
2. Prior to the assessment you will need to write an equipment list so that I can order the equipment for the practical lesson.
3. One the day of the assessment you will have a full hour to collect data for your investigation. (think about the type of data you can collect and what data will be easy to analyse)

**Report:**  At home you will write a report on the investigation following the format “Writing your Report”. This will be submitted on the day of your test. **Ten** marks will be awarded for this report (including 4 marks for the graph).

Note: It is expected that you will have the same hypothesis and results as the rest of your group. All other parts of the report are to be your own work.

**Test:** You may use the report you have written to complete the test. **Twenty** marks will be awarded for this test.