**Lab Report Format**

**Title, Name, Partners, Block, Date,**

**Question:**

* Should be testable and specific and will yield a clear answer
* Stand alone statement that any lay person will understand what you are trying to test.
* Example: Under which color light; red, green or blue, will plants grow best?

**Hypothesis:**

* Your prediction written in an " If....Then...because" statement.
* Must be related to question.
* example: If I grow plants under red, green and blue lights, then the plants under the green light will grow best.

**Variables:**

**Independent Variable:** something you change on purpose (Eg. color of light)

**Dependent Variable**: something that *depends* on or is *affected by* the independent variable (Eg. plant growth)

**Control Variable**: what was kept the same for each comparison? (pot size, length of exposure time, etc)

**Materials:**

* List all the materials (and amounts) needed to conduct experiment (not necessary to list pencil and notebook)

**Procedures:**

* Clear, step by step instructions how to conduct the experiment that anyone can follow.

**Observations:**

* Detailed written account of what you observed during the experiment,
  + use both **Qualitative** and **Quantitative** observations
* **Raw data should be in a** **data table** (measurements, times, temperatures, etc.)
* If a graph is necessary, it must have a title, axis labelled, and a legend.

**Conclusion:**

* Did you prove or disprove your hypothesis? Why or why not?
* What factors or difficulties occurred that may have impacted your findings? (sources of error)
* How would you change your experiment to make it better?
* What did you learn from this experiment?

**\*\*\*MUST BE IN COMPLETE SENTENCES \*\*\*\***

**Self Assessment:** Give yourself a mark out of 4 on how well you:

1. Communicated with your partner(s) (planning, discussing) 1 2 3 4
2. Participated in the experiment (set up, performing, clean up) 1 2 3 4

**Peer Assessment**: Give each of your partners a mark out of 4 on how well they:

1. Communicated with you during the planning and discussions 1 2 3 4
2. Participated in the set up, performing, clean up of experiment 1 2 3 4