**How to Write A Fabulous Science Practical Report (A clear title)**

Introduction

An introduction is a general description of what the experiment is about. There should be some explanation of the theory of the scientific concept being investigated. You can search online for information relating directly to your prac and include it here (don’t forget to reference your information!!)

Research Question (RQ)

What is the purpose of your experiment today? What are you trying to find out? Remember to begin your sentence with a question word like what, how etc.

Variables

Independent variable: a variable that you directly change

Dependent variable: a variable that you measure

Controlled Variable: a variable that you need to control to make a fair test

Hypothesis

An educated guess based upon the research you have done. Your hypothesis is written in the third person and should mention your independent and dependent variables.

Materials

A list of all equipment and apparatus used in your experiment.

Method

* A clear, step by step account of the procedure.
* Make sure your method controls other variables.
* What safety factors do you need to consider?
* How many trials/repeats do I need to do to be sure of my results?
* Include a diagram.

Results

Usually include a data table and a graph. Do you need to analyse (find percentages, averages, proportions, statistics) your raw data? What are the errors in your measurements? How accurate do you need to be?

Discussion

What do the results show?

Are the results consistent with what you expected?

Can you explain any unexpected results?

What are the sources of error?

What improvements can be made?

How could I take this investigation further.

Conclusion

Did you achieve your initial aim of the experiment? Briefly comment on your findings

Bibliography

Reference all your sources:

Author name. (year of publication). *Title of website*. Retrieved on \_\_\_\_\_\_\_\_\_\_\_ url\_\_\_\_\_\_\_\_\_\_\_\_\_