**HOW TO ANALYZE AN EXPERIMENT (CRITERION C)**

**COLLECT & PRESENT DATA**

***This section is about showing the observations & data you collected to your reader***

* Data table (with title, headings, and units)
* Qualitative data (e.x. images, descriptions)
* Calculations (e.x. average, flow rate, % difference)
* Graph (with title, scales, headings, and units)

**INTERPRET DATA**

***This section is all about explaining what happened in your experiment, and why.***

* What data/results/observations were (in words)
* Refer to specific data/numbers
* Why (scientifically) your results were what they were
* A copy of the original hypothesis
* A sentence saying if the hypothesis IS or IS NOT valid

**VALIDITY OF METHOD**

***This section is all about evaluating whether the experiment itself (the steps of the method) was valid or not (i.e. did it allow you to answer your question & test your hypothesis)***

* Sentence saying if the method IS/IS NOT valid
* Description of WHY/WHY NOT
* Specific reasons, including:
  + Variables (only one IV & DV, and all others controlled)
  + **Precision of equipment you used to measure**
  + **Human errors**

**IMPROVEMENTS/EXTENSIONS**

***This section is all about describing how the experiment (The steps of the method) could be changed or improved to get better data. Usually you address the issues you mentioned in the previous section.***

* At least 2 improvements to make
* Description of WHY these improvements should be made
* Explanation of HOW these improvements could actually be carried out in the experiment.