Johnston Sr. High School
Science Laboratory Report Template

The following is the standard format for all Science laboratory reports at Johnston Sr. High School.

1) Name
   Date
   Class and Level
   Teacher
   Names of group members

2) Title
   • A clear and concise title is provided
   • Title is relevant to the purpose of the lab

3) Question/Purpose
   • What problem/question is being solved/answered?
   • What scientific principles are being demonstrated?
   • What are the main objectives of this lab?
   • What JHS Expectations/GSEs are being addressed?

4) Background Information
   • All essential information is included and is relevant to topic.
   • Information should be conveyed in students own words
   • Cite sources that may be used

5) Experimental Hypothesis
   • Student predicts the relationships between variables and results (If..., then...
     format may be used).
   • Hypothesis should be based on previous knowledge and observations.

6) Materials and Equipment
   • All materials from lab included in list form

7) Procedures
   • Each step is listed clearly and in complete sentences.
   • Each step is numbered.
   • No pronouns (i.e. I, you, me, my, we, our, etc.) are used.
8) Data/Diagrams
- Data are accurately shown in the form of data tables, graphs, charts, and figures.
- Each diagram is correctly labeled, titled, and shows appropriate units.
- Specific to graphs: Graphs must have a clearly defined x-axis and y-axis. Each axis must be labeled and have appropriate units. Points are correctly plotted and a line of best fit is drawn for linear graphs. A clear, descriptive title is included.

9) Data Analysis/Calculations
- All calculations are shown using correct formulas and units.
- Relationships between the variables are discussed and fully analyzed.
- Data from the lab are used to explain trends and patterns demonstrated in the investigation.

10) Conclusion
- Do the results support or refute the hypothesis? Support this statement using data as evidence.
- What are some sources of error? If you had to perform this lab over again, how would you improve your results?
- Make a real-world connection that applies what you've learned from this lab.
- Answer Post-Lab questions here.
- Provide a brief reflection on how you met the JHS Learner Expectations or GSE's addressed in this lab.