**Bridge lab Report Format**

**In addition to the lab report be sure and stay within the bridge design parameters, points will be awarded or lost accordingly**

**Below is a guideline for how to write your lab report**

**Remember to refer to: How to write a lab report and example of a well written lab report from my website: Kowenscience.com for additional guidance**

**Introduction:**

**You need to have a purpose statement**: such as (The purpose of this lab was to design and construct a bridge that will support the greatest weight possible.)

**You also need to have background information that was pulled from or considered in order to design your project:**  You can use Newton’s Laws of motion, force, mass, gravity and how this applies to our project. ( You do not need to include all of these but pick and use one as your background and how it will aid in your design.)

**You need to stay out of first person (no I or we)**

**The intro should be between a paragraph and ¾ a page long. If you pull info from a source, you need site your source. Make sure that your paragraph flows smoothly when read.**

**Methods:**

**You need to have a list of material used to build your device. No sentences, just listed**

**You need to have the procedure of how you built and tested your project written in step form. This section need to be written in first person**

**Ex 1. I dropped my device from a height of 10 feet.**

**Look at my example lab reports from my website to help in this section**

**A photo of your project will be a plus. Label parts as necessary**

**Results:**

**Include the Chart below:**

**Group Mass Force GPE**

**Force = mass x acceleration**

**GPE = weight x height**

**Conclusion:**

**BE sure and spend time on this section, it is the most important part of a lab. This is where you draw conclusions and apply what you witness in the experiment and the known laws of science. This is where all great discoveries are made!!**

**Restate your purpose statement.**

**Discuss how the background you used in the introduction aided in this project**

**Remember to stay out of first person.**

**State whether your design was successful or not and any errors or improvements that could be made to the design. (Where did your bridge design fail? Why? What could have been don differently?)**

**Show how the force and GPE and Newton’s Laws played a role in this project**

**What was the pull of gravity exerted on this bridge?**