# **Science and Technology 11 - Principles of Flight Lab Report & Reflection**

Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Date: \_\_\_\_\_\_\_\_\_

**Title**:

**Statement of the Problem:**

\* What question(s) are you trying to answer?

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**Hypothesis:**

\* Write a possible solution for the problem.

\* Make sure this possible solution is a complete sentence.

\* Make sure the statement is testable, an if-then statement is recommended to illustrate what criteria will support your hypothesis (and what data would not support the hypothesis)

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**Materials**:

\* Make a list of ALL items used in the lab. Alternatively, materials can be included as part of the procedure.

**Procedure**:

\* Write a paragraph (complete sentences) which explains what you did in the lab as a short summary.

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\* Add details (step-by-step) of your procedure in such a way that anyone else could repeat the experiment.



**Results (Data)**:

|  |  |  |  |
| --- | --- | --- | --- |
| Spaghetti Tower | Height (inches) | Weight (grams) | Load (grams) |
|  |  |  |  |

**Conclusions**:

\* Accept or reject your hypothesis.

\* EXPLAIN why you accepted or rejected your hypothesis using data from the lab.

\* Include a summary of the data - height, weight, load..etc to help the reader understand your results. Try not to copy your data here, you should summarize and reference KEY information.

\* List one thing you learned and describe how it applies to a real-life situation.

\*Discuss possible errors that could have occurred in the collection of the data (experimental errors)  
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