**At Home Experiment Presentation Rubric**

For this project, you will be giving a presentation to the class on an experiment you do at home. You have 3 weeks – until **October 6th** – to work on this project. Parts of the project are due before your presentation. You can follow along with your Weekly Homework Assignments, and you will be reminded about the due dates in class as well.

So what is this project? **DUE OCTOBER 6th!!!**

We will be practicing the scientific method in class and this project will give you more practice on your own. Your ***5 MINUTE*** presentation can be in the form of the following:

* Poster presentation
* PowerPoint
* Video

So what do you need to have in your presentation?

1. A ***Question*** you would like answered.
2. A ***Hypothesis*** to test.
3. ***Independent and Dependent Variables*** listed.
4. A ***Materials list.***
5. A step by step ***Procedure***.
6. A table of ***Data*** collected.
7. Any graphs, tables, charts, etc.
8. ***Photos*** of the experiment.
9. ***Results*** of the experiment – What did you discover?
10. ***Conclusion*** – accept or reject your hypothesis.
11. Thank yous!

Each section should have a ***heading***. For example:

*Question:*

*Do plants grow faster if music is played for them?*

*Hypothesis:*

*If plants are played music, then they will grow at a faster rate than those that do not have music played for them.*

**How you will be graded:**

|  |  |  |  |
| --- | --- | --- | --- |
|  | 0 | 5 | 10 |
| Question | Question missing | Question is not testable  | Question is testable |
| Hypothesis | Hypothesis missing  | Hypothesis not “If, Then” | Hypothesis is “If, Then” |
| Materials List  | Materials list missing | Materials list not complete | Materials list complete  |
| Procedure | Procedure missing | Procedure steps not complete | Procedure steps complete |
| Independent & Dependent Variables | Both Variables missing | One of the Variables missing or not listed correctly  | Both Variables listed correctly |
| Date Tables  | Data Tables missing | Data Table incomplete  | Data Table complete |
| Graphs & Charts | Graphs/Charts missing | Graphs/Charts not done correctly | Graphs/Charts correct |
| Photos | Photos missing | - | Photos present |
| Results  | Results missing  | Results incomplete | Results complete |
| Conclusion | Conclusion missing | Conclusion incomplete | Conclusion complete |
| Totals  |  |  |  |

Total Points: \_\_\_\_\_\_ out of 100 points