

Student Name:

Title of Project:

School:

Category: Middle School (fill in your category; options are Engineering, Physical Science, Plant Science, Life Science, Consumer Science, Earth Science)

Background

In one paragraph explain why you are doing this project. Stick to the science.

Research Plan

Question:

Hypothesis: (optional)

Prediction:

Independent variable(s):

Dependent variable(s):

Controlled variables(s):

Materials:

List all the materials you're going to need. For things that cost money, talk to your parents and make sure they're willing to spend the money.

Procedures:

1. *Explain the types of experimental conditions you're going to have & how many trials for each experimental condition. Remember, 5 trials per experimental condition is the minimum! More trials is every better!*
2. *Write a numbered list of every single procedure (not "get out my paper" but everything else!). You can subdivide this into sections if you need to.*
3. *Be SUPER, SUPER detailed.*

Data Analysis Plan:

- *Construct empty data tables for the data you'll collect. You can do that on paper if it's easier.*
- *Explain what you're going to do with the data (what type of averages, other statistical tests, etc)*
- *Explain what types of graphs you're going to make (bar, line, other – explain why).*

References / Works Cited:

At least six resources, alphabetical by first letter in proper citation format. (NOT numbered or bulleted).