**You will turn in this Rubric with your final project. No rubric, no grade, do not lose this or you will print or write a new one.**

**Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Rubric and Time Line: Due by January 8th**

**Final Research Plan Paper (see example on website www.sciencemccoy.weebly.com)**

**Research Paper must be TYPED, and please include your name on each page of the research paper. Use a 12 pt font, and Times New Roman or Arial. Put inside of a presentation type folder or 3 prong folder or binder.**

**Research Plan Paper Must include the following: Due Jan 8th**

**Title Page\_\_\_\_\_\_\_\_\_\_\_\_/ 20pts**

**Literature Review**

* **At least 5 paragraphs\_\_\_\_\_\_\_\_/30pts**
* **At least 10 citations\_\_\_\_\_\_\_\_/30 pts**
* **Followed format on website\_\_\_\_\_\_\_\_\_/40pts**

**Question or Problem being addressed\_\_\_\_\_\_\_\_/20pts**

**Goals/Expected Outcomes/Hypotheses\_\_\_\_\_\_\_\_\_\_\_\_\_/20pts**

**All Variables\_\_\_\_\_\_\_\_\_\_\_\_\_\_/20pts**

**Methods, Materials, Procedures and Experiment: Detail all procedures and experimental design to be used for data collection \_\_\_\_\_/50 pts**

**Data Analysis: Describe the procedures you will use to analyze the data/results that answer research questions or hypotheses. \_\_\_\_\_\_\_\_/50 pts**

**Conclusion\_\_\_\_\_\_\_\_/50pts**

**Bibliography page \_\_\_\_\_\_\_\_\_\_/20 pts Due April 12th**

**Bibliography:List at least 5 major references (e.g.sciencejournalarticles,books,internetsites) from your literature review and background research. Choose one style ( MLA) and use it consistently to reference the**

**Total \_\_\_\_\_\_\_\_\_/ 350 pts for research plan**

**Abstract(see example on website www.sciencemccoy.weebly.com)**

Completing the Abstract

After finishing the research plan and experimentation, you are required to write a (maximum) 250 word, typed one-page abstract. The abstract should include the following:

a)purpose of the experiment \_\_\_\_\_/20pts

b)procedure \_\_\_\_\_\_\_/20pts

c)data \_\_\_\_\_\_\_/20pts

d)conclusions \_\_\_\_\_\_\_\_\_\_/20pts

Typed and includes title of project, names of participants and school name and address \_\_\_\_\_\_\_/20pts

Total \_\_\_\_\_\_\_\_\_\_\_/100 for Abstract

**Science Journal- Sections and Requirements**

Copy of abstract- \_\_\_\_\_/10pts

Variables\_\_\_\_\_\_/10pts

Materials\_\_\_\_\_\_/10pts

Procedures\_\_\_\_\_\_/10pts

Data Collection (Pictures, charts and Graphs) \_\_\_\_\_\_/50pts

Data Analysis and Conclusion\_\_\_\_\_\_/20pts

Neat and organized\_\_\_\_\_\_/10pts

In a notebook \_\_\_\_\_\_\_\_/50pts

Total \_\_\_\_\_\_\_\_\_\_\_\_\_/200pts

**Display**

On Proper Display Board: \_\_\_\_\_\_\_\_\_/50pts Maximum Size of Project and Free Standing: Depth (front to back):

30 inches or 76 centimeters, Width (side to side): 48 inches or 122 centimeters, Height 108inchesor274centimeters

Copy of abstract- \_\_\_\_\_/10pts

Experimental Question Purpose \_\_\_\_\_\_\_/10 pts

Hypothesis\_\_\_\_\_\_\_\_/10pts

Variables\_\_\_\_\_\_/10pts

Materials\_\_\_\_\_\_/10pts

Procedures\_\_\_\_\_\_/10pts

Data Collection (Pictures, Charts and Graphs) \_\_\_\_\_\_/30pts

Results\_\_\_\_\_\_\_/30pts

Data Analysis with conclusion and discussion\_\_\_\_\_\_/50pts

Creative, Typed, Neat and organized\_\_\_\_\_\_/30pts

Total \_\_\_\_\_\_\_\_\_\_\_\_/250 pts

Put a check to the right of each rubric item or highlight as you complete each one so that you know you finished it all!