Scientific Investigation Mission

Mission: This is your opportunity to present a scientific investigation to a well-known organization that will fund your project. If the organization of your choice chooses your investigation you will be able to work side-by-side with well-known scientists to make your investigation a reality!

Objective: Your investigation should be based on something that will improve the efficiency or quality of something. There has to be a reason for completing this investigation and based on a problem. It must be important for someone to complete the investigation. You can start by finding a problem in your home, school, community or beyond. Follow the steps of the Scientific Method in order to create your own scientific investigation.

Assignment: In order to present your investigation, create a power point showing and explaining your investigation. You also need to complete a hand-written scientific investigation plan. You are not completing the investigation, but you are researching and planning for it as if you were.

You must include the following information in your report and presentation:

1. Background information

* Why are you conducting this investigation?
* Who does this investigation target?
* Why is this investigation important?
* Why did you choose this investigation?
* Which major organization would you like to present your proposal to?

2. Testable question

3. Hypothesis

4. List of materials needed to conduct the experiment

5. Step-by-step procedure in order to conduct the experiment

6. Variables

* Independent Variable
* Dependent Variable
* Control Variable

7. Drawing of how the investigation will look, step by step

8. Data Charts that would be used to compile information

9. Analyze data

* What would the data be used for?
* How would this data be used?

10. Communicate Results

* Who would you communicate these results to and why?

Your power point must include pictures, charts, etc. in order for you to explain your scientific investigation. Be creative in order to make your scientific investigation a reality!