



## Research Presentations:

The final step in the scientific method is to communicate your results. Thus, it is important that your presentation is interesting. If it is too boring, or doesn't investigate a subject that matters to people, then it is the same as if you never did the project. That's why you need to give background and have good presentation skills.

### Sections of a Research Presentation:

A good research presentation **MUST** include the following sections in this order:

1. **Title:** should be informative and fun!
2. **Background:** introduce the topic
3. **Purpose:** introduce the problem and research question
4. Hypothesis: state the hypothesis that you will test
5. **Experimental Design:** no need to give a step-by-step here, just explain the overall design.
6. **Results:** present the graphs and charts of your data and interpret them
7. **Conclusion:** explain what your results mean
8. **Future Directions:** say what you would change in the future or what research you will do next.
9. **Acknowledgments:** thank everyone who helped you along the way
10. **References**

This should be what you think the answer to your research question is.

This is very important because it relates to the hypothesis.

### Presentation Skills:

1. **Speak loudly and clearly.**
2. **Use simple English.** Everyone should be able to understand you. It also makes it easier to communicate if you don't have to remember big words.
3. **Don't read your script.** Try to look up and speak naturally
4. **Make eye contact.** Look at your classmates and teachers when you speak. When you look at people they will pay more attention and be more interested in what you are saying.
5. **Smile☺.** If you are smiling, you will make the audience smile and enjoy your presentation.
6. **Use visual aids.** Your presentation will be more interesting if the audience has something to look at.

### Activity: Presentation Structure

**Directions:** Based on the example presentation, try to fill out this chart. Your answers don't need to be more than a sentence or two. You can work with a partner.

| <b>Section:</b>      | <b>Information:</b> |
|----------------------|---------------------|
| Title                |                     |
| Background           |                     |
| Purpose              |                     |
| Research Question:   |                     |
| Hypothesis           |                     |
| Experimental Design: |                     |
| Results              |                     |
| Conclusion           |                     |
| Future Directions    |                     |

### Activity: Design a Research Presentation:

Using the example research paper on paper planes, design a research presentation.