

## Project Question

What question is your experiment going to answer?

## Define a Need

This engineering project will improve \_\_\_\_\_ (design/item) for \_\_\_\_\_ (audience).

## Research

1. Tell three things you learned about your design.
2. What improvements are you trying to accomplish?
3. Tell three things you learned about your audience, who will this help?
4. Did you find any article related to your study? What did you learn?

## Title of your Engineering Project

### Design Instructions

A detailed set of instructions telling others how to build your design and a material list.

Steps:

- 1.
  - 2.
  - 3.
- Add as many steps as you need.

### Build and Test

1. Does it work the way you expected?
2. Is it better/worse than what has already been made?
3. Is it easy to use? Who is meant to use this product-kids, adults, animals, plants?
4. How can you improve this initial design?

### Preliminary Design

Pictures or Drawings of your design.

pictures

pictures

pictures

### Rebuild and Retest

Your improved design. Include what you did to improve your design or pictures/drawings of your improved design.

pictures

pictures

1. How is your re-design better?
2. Is it better/worse than what has already been made, or what you made the first time?
3. How can you improve this second design?

## Conclusion

1. What engineering steps did you use to complete this project?
2. How is this product/item better than what we already have available?
3. Explain your design, what makes it unique?
4. What would you do differently next time?
5. Did you make any mistakes or did you change anything to improve your project?
6. How is your project useful to others, society, the world?

## References

Author Last Name, First Name Initial., (Date) Title of Article. Where Published. Publisher. Retrieved from: URL

Use a reference generator, such as BibMe (<http://www.bibme.org/>) to create your full references. APA style.