

# Problem

Define problem being solved  
include a description of your goal

# Design

What have others done that you are building on?  
(background knowledge)

Identify proposed solution

What criteria & constraints are there to meet your goal?

# Methodology

Development of protocol/model

What are your testing procedures?

# Construction

Intended design (drawing, description, etc)

Did prototype meet engineering goal?

Graphs/illustrations/photos of project

# Testing

Did you test in multiple conditions?

Describe the different trials for your testing

# Conclusion

Discuss results – How is what you built better than what exists currently for the problem?

What applications are there for your project?

Did it work as expected? What problems did you encounter?

Please include at least two references you used for your project here.