



Scientific Method	Engineering Method
Title page.	Title page.
Abstract.	Abstract.
Table of contents.	Table of contents.
	Statement (instead of a question) about the need to design something that fulfills xyz need.
Question, variables, and hypothesis.	
	Summary of what will be built to address the need and the specific design specifications the solution will fulfill (instead of a hypothesis).
	Specifications against which the solution will be judged successful or not (instead of variables).
Background research. (Research paper written before experiment.)	Background research. (Research paper written before starting to identify the problem. This research documents what solutions exist, what has been tried and what science might be applied to a new approach.)
Materials list.	Materials list.
Experimental procedure.	Documentation of how the student built and tested the prototype(s) or finished solution.
Data analysis and discussion.	Results of field testing of prototype(s) or finished solution. What was observed and/or measured? Ho did the prototype(s) or finished product measure up against the original design specifications? Did it achieve the goal? Show the data either way.
Conclusions.	How successful was the prototype(s) or finished solution? Did it perform as intended? Why or why not? What were the design and implementation challenges?
Ideas for future research.	What could have gone better in the design process How could the design be improved with further prototyping/testing?
Acknowledgements.	Acknowledgements.
Bibliography.	Bibliography.
Project display board.	Project display board.