

Preliminaries Screening Rubric (Engineering)

Score	1	0.5	0		
Problem	I found a problem that can be solved by testing and comparing two or more different scenarios	I found a problem, but I'm not sure it is solve-able	I could not find a problem		
Exploration	I felt like the exploration section provided me with enough information to understand the project.	The background section provided me with a basic understanding of the subject, but not enough to understand the whole project.	I found little or no background information for this project.		
Design Concepts: Variables	I learned about at least 3 factors that affect this problem	I learned about 1-2 factors that affect this problem	I did not learn about that affect this problem		
Design Concepts: Proposed solution	I know which variable the student is manipulating.	I couldn't figure out which variable the student was testing in this section of the poster, but it was inferred elsewhere in the poster	I don't know which variable the student is testing		
Engineering Design	I could reproduce the product of this design based on these instructions (and if I were an engineer!)	I have 1-3 questions about how to build this product	I don't think I could build this product based on the information provided		
Figures & Tables	I think the figures and tables were clearly labeled and laid out. They helped me understand the results of design testing.	I had to look at the figures and tables several times to understand what they were showing. The graphics were not clearly labeled.	I couldn't figure out what these figures were about; <u>AND/OR</u> All graphics lacked labels.		
Results (text)	<ul style="list-style-type: none"> Includes quantitative data Summarizes, but does not interpret data or draw conclusions These are the type of results I would expect to get from the described test 	Meets 1-2 of these criteria	I could not find a written summary of the results of the proposed experiment.		
Interpretation	The author highlighted the trends in the data <u>AND</u> explained why those results were/were not expected.	The author highlighted the trends in the data <u>OR</u> explained why the results were/were not expected.	The author did not indicate or explain the data.		
Evaluation	The author restated the problem and logically explained whether the proposed solution solved that problem and considered the feasibility of the design	The author restated the problem and /or discussed whether the solution solved the problem. I'm not sure I understand the author's reasoning	The author didn't explain whether or no their proposed solution solved the problem and/or the project is not feasible.		
Future plans	As part of the evaluation, the author indicated: <ul style="list-style-type: none"> Identifies weaknesses & tradeoffs of design Includes ideas for further improvement Relevance (application, policy decisions, satiation of curiosity, etc.) 	The evaluation included 2 of these items	The evaluation included 0-1 of these items		
Presentation	This poster is beautiful and professionally done! Text is neat and clear and I don't see any typos.	This poster needs some work. There may be a few typos and/or some sections may need cleaning up.	This poster was slapped together. The text needs significant editing and/or the pieces are not neatly cut and glued onto the poster		
	5	4	3	2	1
Communication of Ideas	Wow! This student knew their stuff and explained it well. I may have even learned something	This student knew their stuff, but I found it difficult to follow their logic in a few places	This student seems to know their stuff, but I'm not sure I really understood it based on their explanations.	I have an idea of what this student was doing, but the student doesn't seem to understand their topic	This project just doesn't make sense to me.
Innovation	Wow! What a neat idea! I seriously doubt anyone has done something like this before	This is a pretty cool project! I never would have thought doing an experiment in this way	This project is interesting, but I it doesn't stand out to me as new or unique	This one could be interesting, but is missing the depth of thought needed to make it innovative	I didn't find this project particularly interesting or creative