

## Appendix

### Rubric for Engineering Design Challenge

	<b>2</b>	<b>1</b>	<b>0</b>
<b>Defining the problem</b>	The problem was clearly written and easy to understand. The problem was based on information/data presented/observed in class.	The problem was not clear or was not based on information/data presented/observed in class.	No problem statement.
<b>Generate Alternatives (Individual work)</b>	Two or more ways were drawn to solve the problem.	Only one possible solution was drawn.	No solutions drawn
<b>Develop Group</b>	Successfully met with a group to go over potential solutions. Shared each individual's alternatives.	Did not work well with your group (lack of discussion/participation). Not all group members shared solutions.	Did not participate in group work at all.
<b>Analyze</b>	Used group time to explore each solution and wrote down strengths and weaknesses of each one.	Used group time to explore some solutions and/or wrote down strengths/weaknesses of some alternatives.	Did not write down strengths or weaknesses of the alternatives.
<b>Create</b>	Created a model that the group decided on using given materials.	Created a model but did not work within material constraints (used materials that were not approved).	Did not create a model.
<b>Test, Improve</b>	Made changes to the model, if necessary, after testing.	Did not make necessary changes to model after testing.	Did not test.
<b>Final Product</b>	Group presented a final product to the class.	Only some members of the group presented a final product to the class.	No final product was presented.

Other feedback: