


# ENGINEERING NOTEBOOK RUBRIC

CATEGORY	DESCRIPTION	POINTS	
#1: Problem	State the problem in sentence form (1-3 sentences)	5	
#2: Criteria	List all needs (gathered from challenge introduction...add extra)	5	
#3: Constraints	List all limitations (gathered from challenge introduction...add extra)	5	
#4: Research	Research given and groups add to it (usually terms, How to information, ideas, previous projects, careers, parts, etc.)	40	
#5: Brainstorm	Develop 3 ideas with all materials, dimensions and construction methods	30	
#6: Analyze	List 3 detailed pros and cons for EACH brainstormed idea. (Ask yourself How and Why)	15	
#7: Choose...Why...Design	Choose your design, state why in 3-5 sentences. Then, develop a drawing with directions. (Important that this should be detailed enough for someone to build without asking you a question.	20	*points subject to change, rarely but could be needed*
#8: Create & Record	Build model and record all tasks, issues and changes you completed and encountered throughout the day. (Don't forget to sign, date, and get someone to initial as a witness).	15	*15 points per day is given. So the project point total changes based on how many building days you are given.
#9: Testing	Test and Present. Record what happened and why in your notebook. (3-5 sentences)	10	<b>Additional Grades Include... Portfolio Page, Model, Presentation (silent critique, stand up verbal presentation, stand with walk around presentation, video presentation, etc.)</b>
#10: Improvements	List 10 detailed improvements you would make if you had the opportunity to start from scratch again.	10	
<b>Total (Note: for a one day building project)</b>		<b>155</b>	
<b>**Each day the students "clock-in" and "clock-out" in their notebook the "clock-out" requires a signature and date by owner and an initial by a witness**</b>			