JPL Project: Tri-Fold Poster

Grading Rubric

Directions: Please create a poster to stand alongside of your JPL project. Your poster and website should include each of the following items in the grading rubric below.

Grading Rubric:

Item	Description	Points Possible	Points Earned
Title	Creative Title to describe your device Include the name of each group member below your device.	5	
Picture(s) of Device	This can be a picture that you took of the device and then had printed or this can be a picture that you have drawn. Label all of the pieces in your device. You should also include pictures during each of the following processes: - Initial Design - Assembly - Testing - Final Prototype	5	
Objective/Description	State the objective of the JPL Challenge and the problem that the website presented. I In a brief description tell the audience about your device.	5	
Design Process	Describe the "logic" that went into the making of your device. This description should include all of the engineering practices that you used and describe the entire process of making your design. Include a list of group members and what each group member did in the design process	10	
Results	Describe how you tested your device. Provide your testing results.	5	
Future Modifications	Describe what you would do differently next time. Why would you make these modifications?	5	
Neatness/Organization	Poster should be colored and neat. All Sections should be titled	5	
Turned in on time	10 % subtracted for each day the poster is turned in late	X	
Total		**40**	

JPL Project: Prototype Rubric

Grading Rubric

Directions: Please create a google document to show the validity of your final prototype. Share this google doc with your instructor (bsnyder@smmk12.org). Your document should include each of the following items in the grading rubric below.

**All sections can be shared between group members, you only need one google doc per group.

JPL Project: Prototype Rubric

Item	Description	Points Possible	Points Earned
Final Prototype Design	• **Description-** provide an overall description of your device in 1-2 sentences. (4 points) • **Photo-** Provide a photo of your final prototype (4 points) • **Video-** Provide a YouTube link to a video of your device in action. (4 points)	**12**	
Construction and Testing of Prototype	• **Bill of Materials**- What materials did you choose, and why did you choose these materials to build your design. (4 points) • **Photos of Various Stages** of the developing and building of the Physical Prototype. In addition, describe the process and building of the physical prototype. (4 points) • **Test Results**- include a description of the tests that you performed to conclude if your prototype met the objective of the challenge. (4 points)	**12**	
Evaluation of Solution	• In at least one paragraph evaluate the design of your prototype. Did your design work? Why or why not? What would you do differently if you had to re-do this assignment?	**10**	
Professionalism/Project Management/	• Thoroughness of the Documentation • Legibility of the Documentation • Appropriate use of time during class time. •	**6**	
Peer Evaluation	• Complete the survey monkey survey online to rate each of your group members. Your final score will be the average of your peer members evaluation of your contribution to the project. • https://www.surveymonkey.com/r/VX2C7GK	**10**	
Turned in on time	• 10 % subtracted for each day the poster is turned in late	X	
Total		**50**	