VIDEO CRITERIA AND VIDEO RUBRIC

Video Criteria

Video submissions showcase your prototype and the process it took to go from initial design to final solution and should include the following information.

1. Teams MUST use the following script to introduce their video:
    a. "This is team (team name) and we did the 'Parachuting onto Mars' challenge. The title of our video is _____."
    b. Do not identify the name of any student, teacher, school, group, or city/region in your video. Submissions that do not follow these directions will be disqualified.
1. Introduce special features and unique qualities of your design.
2. Discuss the results of tests from Step 6 and modifications made to improve the device from Step 8 for each design iteration.
3. Based on your results and modifications, explain your best design solution from Step 4. Be sure to give reasons for your choice.
4. Include photos or video of a summary of your work including drawings of your design, key measurements, and how the prototype was built and tested.
5. Identify any information provided by NASA Subject Matter Experts (SMEs) that helped you in your design or testing.
6. Explain which characteristics of your design provided the most reliable results and why?
7. Based on your results and the modifications you recorded in Step 7, include advice for the engineers working on this project in the future.
8. Total length of video should be three to five minutes.

The following Video Rubric will be used by evaluators to review and score each submitted video based on the above criteria and presentation style.

Video Rubric

Student Name: _____ **Team Name**_____

This rubric can be used to review and assess the quality of each video. Each category will be scored 0-3 points. Totals for each column will be added for a final score.

Rubric Category	Best 3 points	Better 2 points	Good 1 point	Missing 0 points
Introduction Statement	Special features are stated clearly with additional words and/or images.	Special features are stated but no additional images are included.	Special feature statement is incomplete.	No statement is included.
Drawings	A detailed drawing of the final design, as well as detailed drawings of each iteration are included.	A detailed drawing of the final design is included, but no other iterations.	Rough drawings of the final designs or other iterations are included.	No drawings are included.
Engineering Design Process	All of the phases of the Engineering Design Process are mentioned.	More than four elements of the Engineering Design Process are mentioned.	At least one element of the Engineering Design Process is mentioned.	No mention of the engineering design process is included.
NASA Subject Matter Expert (SME) Comments	Interactions with NASA SMEs are discussed and show how the feedback was incorporated into design or testing.	Interactions with NASA SMEs are discussed and gives details about the feedback they provided.	Interactions with NASA SMEs are discussed in only general terms.	No mention of NASA SME interactions are included.
Video Criteria	All criteria are addressed thoroughly and thoughtfully.	Criteria are addressed.	Some criteria are addressed.	No criteria are addressed.
Photos or Video	Video of the build and test phases are included with additional still shots added.	The build and test phases are included in the photos/video.	Only the build *or* only the test phase is included in the photos/video.	No photos or video showing the build or test phases are included.
COLUMN SCORE				

Total Score: _____