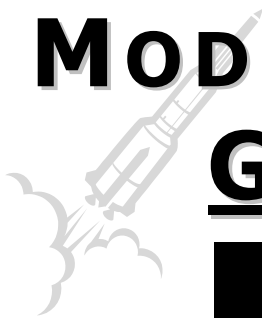


MODEL ROCKET CHALLENGE

Grading Rubric/Checklist



	Rocket Design	Rocket Construction	Rocket Launch	Company Performance	Rocket Journal
10 points	Design documentation is <u>neat</u> , complete, and accurate. The design is scientifically sound and uses all parts in a proper manner.	Rocket is <u>neatly</u> and accurately built to specifications. Rocket is painted and looks visually appealing. Rocket passes pre-launch safety inspection.	Pre-launch analysis and Rocket Launch Day Log are complete, accurate, and <u>neat</u> .	<u>Group worked successfully for duration of project.</u>	Journal is turned in on time with a <u>creative</u> cover.
5 points	The design is scientifically sound and uses all parts in a proper manner.	Rocket is built to specifications, but is of poor quality. Rocket may not be painted. Rocket passes pre-launch safety inspection.	Little documentation provided – bits and pieces are complete.	<u>Group required significant intervention from Mr. Uher.</u>	Journal may have been submitted late or is of poor quality.
0 points	No rocket design documentation provided <u>or the design does not use all parts in a proper manner.</u>	<u>Rocket does not pass pre-launch safety inspection.</u>	<u>No documentation provided.</u>	<u>Group was unsuccessful at working cooperatively.</u>	No Journal submitted

5 extra credit points will be award for each of the following performance criteria:

- Highest rocket
- Longest time aloft

PROJECT JOURNAL CHECKLIST

- | | |
|---|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> Creative cover with member's names, date, and company name <input type="checkbox"/> Rocket Construction Master Plan <input type="checkbox"/> RockSim 2D drawings, including fin template <input type="checkbox"/> RockSim Motion Graphs (Time vs. velocity, Time vs. Altitude, Time vs. Acceleration) | <p>including a description of the motion, and a stamp of approval from Mr. Uher</p> <ul style="list-style-type: none"> <input type="checkbox"/> Pre-Launch Analysis <input type="checkbox"/> Rocket Launch Day Log <input type="checkbox"/> Launch Results <input type="checkbox"/> Score Sheet (with results box complete) |
|---|---|