**Questions: 1) What was your prediction for which rocket would go the further before you began the experiment?**

***Please submit your results and the answers to the questions to your science teacher. Feel free to send along pictures of your rockets as well!***

**(*for after* 2) What nose cone length flew the furthest? Why do you think that was the case?**

***experiment*) 3) Why did the NASA scientists (Allen, Burton, Liston and Losier) ask for the trials to be done inside?**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***Length of Nose Cone in (cm)*** | ***Trial 1*** | ***Trial 2*** | ***Trial 3*** | ***Average or Mean***  ***(Add up the trial distances and divide by the number of trials)*** | ***Notes:***  ***This activity should be done indoors!*** |
| ***EXAMPLE***  ***NMS #1***  ***Nose Cone***   1. ***cm)*** | ***500.0cm*** | ***425.0cm*** | ***575.0cm*** | ***500.0***  ***425.0***  ***+ 575.0***  ***1500.0***  ***1500.0 ÷ 3= 500.0cm*** |  |
| **Rocket #1** |  |  |  |  |  |
| **Rocket #2** |  |  |  |  |  |