Parachute Data

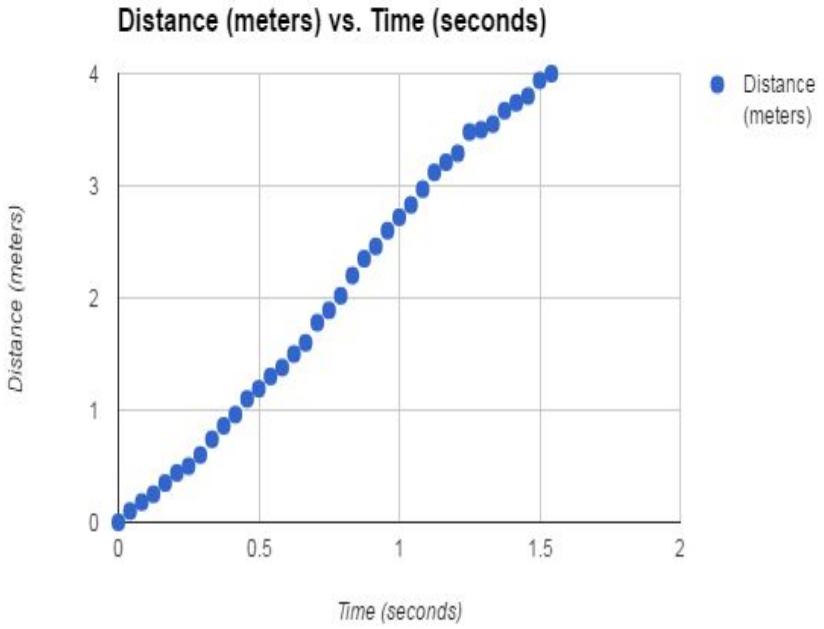
By: Abby, Nathan, Trajan, and Chris

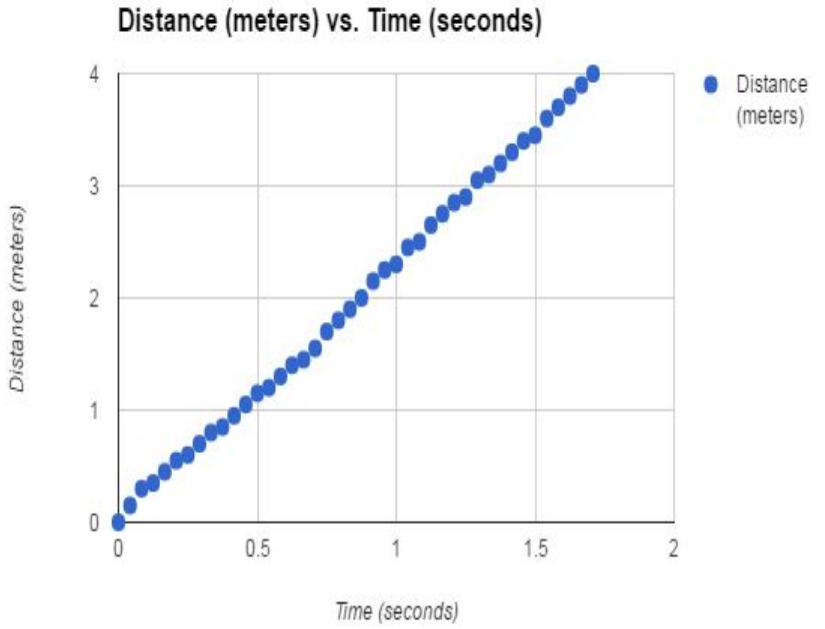
Falling Times

Parachute	Area (m^2)	Time to Fall 4 meters (sec.)
Chris	0.023	1.20
Nathan	0.014	1.54
Abby	0.013	1.71
Trajan	0.049	1.875

Distance vs. Time

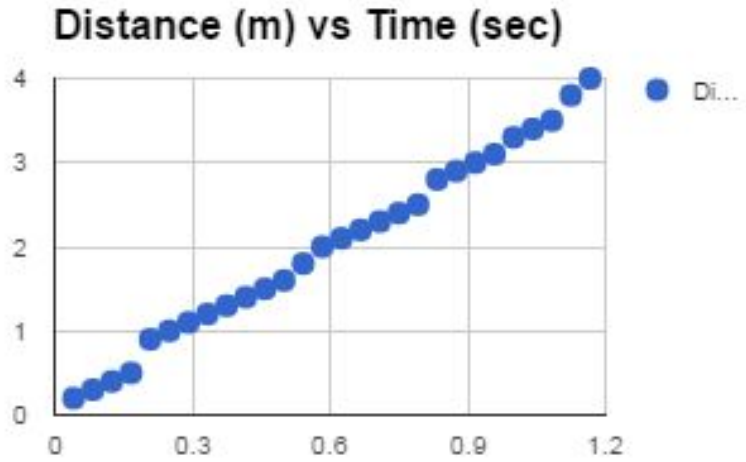
(Nathan vs. Abby)

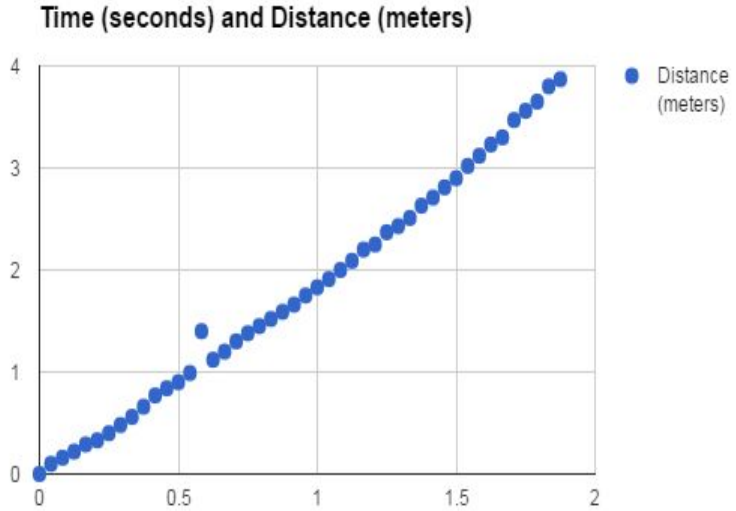




Distance Vs. Time

(Chris vs. Trajan)





Observations

- Trajan had the slowest falling time with the largest parachute area, but was hit by another parachute
- Chris had the fastest falling time with the second largest parachute area
- Nathan had the second smallest area, but hit the wall and the lift
- Abby had the smallest area and the second largest falling time
- Chris' was shaped like a rectangle, but the taped was focused on one side
- Nathan's was shaped like a triangle

Conclusions

- Bigger area, usually equals bigger hang time, which equals more drag
- The parachutes that had wider areas fell slower than the parachutes that were more condensed

How to Improve Results

- Adding numbers to the lines and making them thicker would be a lot easier to see and calculate
- Create a system to drop them at the same time
- Drop the parachutes from each group together