



2017 CNY Rocket Team Challenge



Team Members:
 School:
 Teacher:
 Rocket Type:
 Engine:
Rocket Weight:

Predicted Apogee: _____ feet

Actual Apogee: _____ feet

Points	0	1	2	3	4	5	Judge's Initials	Score
Judging								
Student Presentation	No knowledge of subject	Minimal knowledge	Explained basics	Well thought through	Excellent grasp of concepts	Expert - <i>Future NASA Scientist/Engineer</i>		
Did Apogee Calculations	No calculations	Attempted some calculation	Calculations with variables missing	Calculations provided but questionable	Good calculations -units missing	Excellent calculations with all units provided		
Flight and Aesthetics								
Rocket Aesthetics	No paint or decoration	Painted	Painted with minimal detailing	Painted with good detailing	Exceptional paint job and detailing	Exceptional paint, detailing		
Flight Performance	Rocket failed to leave the ground	Launch with incomplete separation	Launch, chute deploys but fails to open	Good launch-significant damage on landing	Good launch, with minimal damage on landing	Perfect launch and landing		
Eggstronaut Recovery and Experience	Destroyed	Broken but still has some egg shape	Cracked and oozing	Cracked with depressions	Cracked	No damage		
Precision in computing Apogee	165 feet and higher	100-164 feet	67-99 feet	34-66 feet	17-33 feet	16 feet or less		
Points								
	1	1	1	1	1	X	Judge's initials	Score
Rocket Construction	Engine mount secure	Fins straight	Rail buttons aligned	Chute points secure	Nose cone and payload fit	XXXXXXXXXXXXXXXXXX		
Tie Breaking: Absolute Δ Apogee, Registration Date Comments:							Final Score	

(Total possible: 35)

Note: Performance of rocket motors and altimeters are not guaranteed. Technology failures aside, we will do our best to get your rocket in the air and apogee collected. To insure timely completion, Launch Director reserves the right to bring the competition to a close after each rocket team has had one attempt to launch.