



## 2018 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
<b>Judging</b>								
<b>Student Presentation</b>	No knowledge of subject	Minimal knowledge	Explained basics	Well thought through	Excellent grasp of concepts	Expert - <i>Future NASA Scientist/Engineer</i>		
<b>Apogee Calculations</b>	No calculations	Attempted some calculation	Calculations with variables missing	Calculations provided but questionable	Good calculations -units missing	Excellent calculations with all units provided		
<b>Flight and Aesthetics</b>								
<b>Rocket Aesthetics</b>	No paint or decoration	Painted	Painted with minimal detailing	Painted with good detailing	Exceptional paint job and detailing	Exceptional paint, detailing		
<b>Flight Performance</b>	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		
<b>Eggstronaut Recovery and Experience</b>	Destroyed	Broken but still has some egg shape	Cracked and oozing	Cracked with depressions	Cracked	No damage		
<b>Precision in computing Apogee</b>	165 feet and higher	100-164 feet	67-99 feet	34-66 feet	17-33 feet	16 feet or less		
<b>Points</b>								
	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>X</b>	<b>Judge's initials</b>	<b>Score</b>
<b>Rocket Construction</b>	Engine mount secure	Fins straight	Rail buttons aligned	Chute points secure	Nose cone and payload fit	XXXXXXXXXXXXXXXXXX		
Tie Breaking: Absolute $\Delta$ Apogee, Registration Date Comments:							<b>Final Score</b>	

**(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.