

Parachuting Commerce Rubric

Judging Criteria	3	2	1
Overall Test and Measurement	Did not test using 3 or more trials	Tested more than once	Tested once or none
Accounting	Phase 2 and 3 parachute was inexpensive to build	Phase 2 and 3 parachute was moderate in price compared to other groups	Parachute was very expensive to construct
Scale Measurements	Parachute dimensions are accurately made to scale	Some inaccuracies in scale when enlarging parachute	Did not enlarge parachute based on testing
Egg Breakage	Zero broken eggs	Cracked but no leakage	Egg busted
Variables	Have been identified and varied	Have somewhat been identified and varied	Not been identified or varied
Final Discussion/Critical Thinking Questions: <ol style="list-style-type: none"> 1) What happened to your egg? If there was breakage explain why. 2) Did you have to make any modifications between the Plastic Egg Sand Dummy and the dropping of the actual eggs? 3) Explain the changes you made from the model parachute to the larger proto type parachute and why. 4) How important is it for companies to make prototypes for their inventions? 5) If we designed and tested another product, what would you do different in the beginning? 6) How does Newton's third law of motion relate to this activity? 			