ALL AMERICAN EGG DROP

CRITERIA	1 pt awarded if:	3 pts awarded if:	5 pts awarded if:
Preliminary Drawing and Materials list (unlined paper)	Poor drawing and list: little time and effort applied (no measurements and materials, same units)	Average drawing and list (some measurements and materials)	Good Drawing and list (full list of materials and measurements on drawing)
Final Draft of Drawing and descriptions (unlined paper)	Poor secondary drawing: no measurements / no materials? Unlined Paper	Average drawing and list (some measurements and materials) Unlined paper	Good Drawing and full list of materials. Measurements with units on unlined paper
Production and creativity of egg drop container	Poorly designed, little effort shot in make the model. Takes longer than 15 seconds to access	Average design, evidence of efforts and though put into design of product. Takes 6-14 seconds to access egg	Good Design, evidence of insights and serious thought, ORIGINAL IDEA! Takes less than 5 seconds to access egg
Conclusions for acceleration lab	Conclusions not typed and are lacking desired results from lab…list below	Conclusions are not typed or are lacking desired criteria for lab	Conclusions are typed and contain all necessary criteria for results. Described fully in "physics terms"
Partner Score (Average) **Name of Partner(s)** **-** **-**			
Maximum Drop Height	Above 1 meter (+1)	Above 3 meters (+2)	Above 5 meters (+ 3)

Lab Report Criteria:

1. List of materials needed to create your egg drop apparatus.
2. Procedure:
    - Explain how you built your product
    - Reasoning for your design
        Use physics terms – ***momentum, forces, velocity, terminal velocity, Stop time (impulse)***
    - Blueprints 1 and 2

3. Results and Conclusion
    - How high was the highest successful drop? ***(Use physics terms)***
    - Structurally what worked and what did not work? Why did it work? ***(use physics terms)***
    - What would you not change about your product?
    - What would you change about your product?