Snort Duration Collision Felt Force increase Impulse = Force X Duration Long Duration Collision Felt Force increases "Hint:Long Duration Protects the Egg"

CCG-Understand the intera Egg Drop Pre-Lab Name			
YOUR TASK: Your task is to produce a craft which an egg (egg must be inside of the craft can be dropped from a height of 2 meters or higher and not break. The goal is for each student to use their knowledge of potential and kinetic energy to keep an egg from breaking or cracking when dropped.			
REQUIREMENTS: Each crapieces of tape 1 inch in length can reach a maximum heigh	th. Students may also make	20 staples on each o	craft The craft
MAKE A PLAN: Put together plan. All the work to build the home, but the student must the craft in class.	craft must be done in class	The student can tes	et ideas at
1.Draw the craft below and forget the units) off to the sid	label the diagram parts wit e of the picture.	h approximate meası	urements (don't
	*		
2.What is the name of you	r craft?		
3.Identify all the materials you	ı plan to use to build your c	raft.	
		46 988	
4.Explain the set up of the craimpact of hitting the ground.	aft and describe how it will w	work to protect the eg	g from the
			1 2014 361 8 1 2,
5.Describe how the egg will s potential energy.	urvive the fall in the craft fro	m the stairs in terms	of kinetic and

Egg Drop Laboratory v3.1 Updated 2006-07)	
ANALYSIS AND RESULTS:	
1. Did the egg survive the fall from the ladder? (C	Observation/Literal)
2. What was successful in the design of the craft	? (Evaluative)
3. What would you change about your craft if you	did the experiment again?(Evaluative)
4.As the egg drops, what type of energy conversion (Inferential/WordMeaning)	on is taking place?
CONCLUSIONS AND EXPLANATIONS: (In 4-5 s this laboratory and what you learned in this laboratory and how you could improve your craft in the future bottom of the paragraph).	atory. Explain what parts were successfu