Name:	Date:	Grade:	/400 points
Mousetrap V	ehicle Eng	ineering D	esign Brief
Your goal is to make the	ne vehicle travel the farthe	est distance possible. One et. <i>The design activity</i>	pelled only by a mousetrape point extra credit is earned is in the blue Technology
fulcrum with a maxim extend over the one for	um length of 10 inches i	may be attached to the roof the vehicle. You will be	re is no height restraint. A mousetrap. The fulcrum may be given only one mousetrape supplies.
			nd the review questions
Instructions: 1. Research (20 points) you are going to make y else you created to make address below and write design challenge. (DO	: Use the internet and reservour vehicle roll. Will you the the vehicle move? Once the down two pieces of information with the www.google.com.	earch wheels and axles. You use wheels, spheres, come you have found a helpformation that you think weem)	You are researching how ones, cylinders or something ful website, list the web will help you solve this

3. (40 points) Then write a very detailed paragraph (40+ words) explaining how you plan to build the prototype of your vessel. You should write this paragraph before you start construction!

of paper that is stapled to this sheet. (Include dimensions and special instructions).

Review questions: (Answer in complete sentences. 20 points each.)

- 1. What did you changes or additions did you make to your original design?
- 2. How far did your vehicle travel in feet?
- 3. Which vehicle in the class traveled the farthest? Why did their car travel so far?
- 4. In your opinion, what is the best way to optimize the use of a mousetrap in this assignment?
- 5. If you had to do this project again, what would you change and what would you keep the same?

Points	Description	Student Evaluation
20	Vehicle traveled 10 feet. (2 points earned for each foot	
	traveled. 9 feet = 18/20 points). If your vehicle travels 40	
	feet, give yourself 30 extra credit points.	
20	Using the mousetrap as the ONLY source of movement.	
	20 points for successfully using the mousetrap as the sole	
	source of propulsion.	
20	Length. 20 points for being 12 inches or less. 1 point off	
	for every ½" over.	
20	Width. 20 points for being 12 inches or less. 1 point off	
	for every ½" over.	
20	Fulcrum Length . 20 points for being 10 inches or less. 1	
	point off for every 1/4" over.	
100	Total Grade	