

Name: _____

Date: _____

TYWLS 500

Auto companies, such as Ford, Mercedes-Benz and Chevrolet, have used car slogans and commercials to claim they have designed and developed the most energy-efficient and affordable car, SUV or truck. But, what does energy-efficient mean? And, what do car companies keep in mind when they are developing these new vehicles?

Task: You will research, design and build an energy-efficient car. The car will race against other cars to determine who has developed the most energy-efficient vehicle.

Process:

Days 1-4

1. Determine different *variables* to change in the test car.
2. Choose 1 *variable* to research, design and build 2-3 test cars.
3. Use the test track to determine the speed of the cars.

Days 5-8

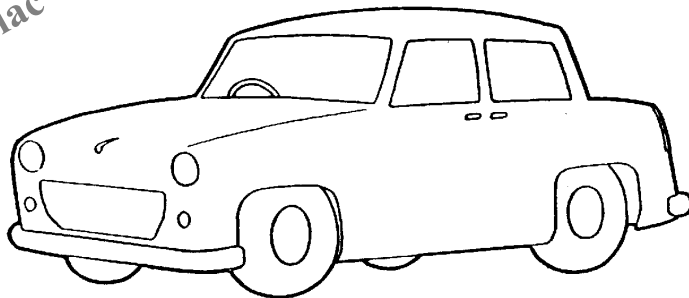
1. Using the class data, choose up to 3 variables to design and build your car.
2. Use the test track to determine the speed of the cars.
3. Write your report to the Secretary of the US Department of Transportation

Day 9

1. **RACE DAY!!!!!!**

Wider is Better!
-Pontiac

The Ultimate Driving Machine
-BMW



May the Best Car Win
-Chevrolet

The World's Favorite Four Wheel Drive
-Pontiac