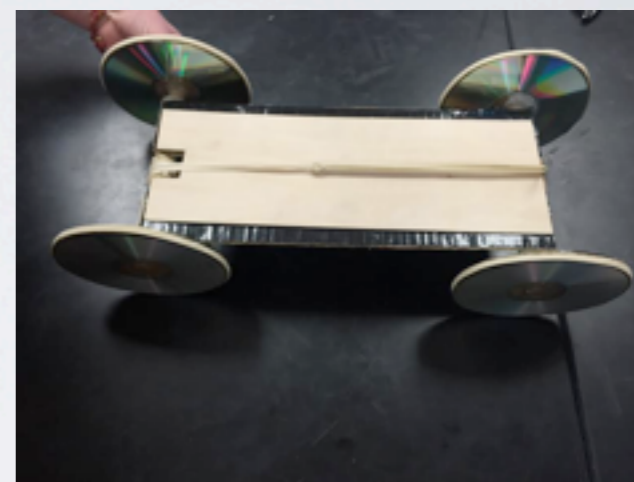


# THE SPEEDY MOBILE



By: Sasha Urban, Rachel Stevens, Anja Damazyn, Naomi Michaelis

# MATERIALS

-15 rubber bands

-8 CDs

-4 round pieces of cardboard

-1 long piece of cardboard

-2 thin pieces of balsa wood

-duct tape

-hot glue

-1 paper clip

# COST

- 8 CDs: \$2
- 15 Rubber Bands: 10 cents
- Balsa Wood: \$1
- Cardboard: \$1
- 4 feet of Duct Tape: \$2
- Pipes: 50 cents
- Total Cost: \$6.60

# WHY OUR CAR IS THE PERFECT CAR FOR YOU

- It is very fast, its average velocity is 1.55 meters per second.
- It is very cheap and energy efficient because it is elastic powered.
- It can hold over 1,000g.
- It's low maintenance.
- The balsa wood makes it very sturdy, yet flexible.
- It's safe because it stops at 5 meters. (Its destination)

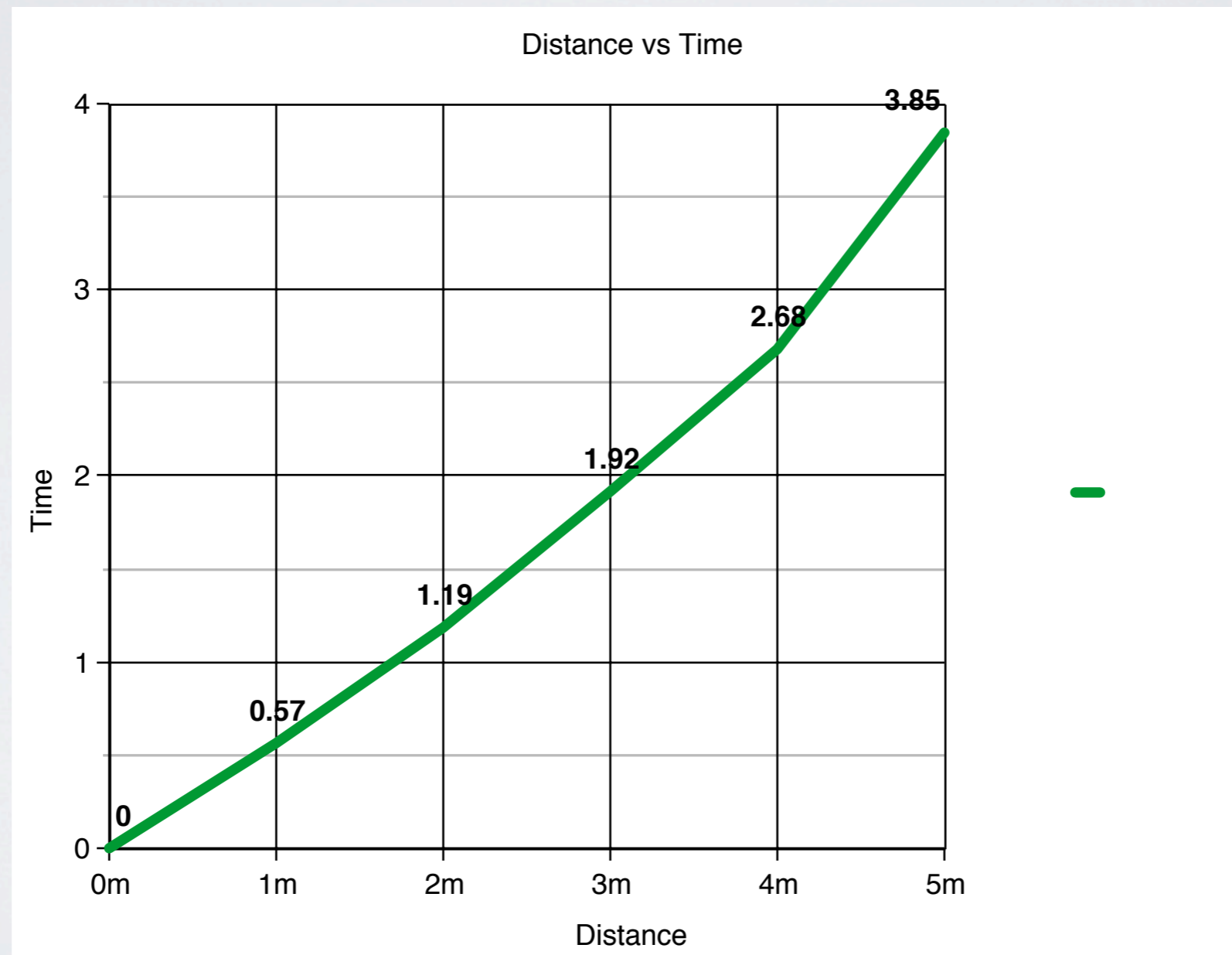
# WHY IT IS GOOD FOR THE ENVIRONMENT

In 2013 about 134.5 billion gallons of gasoline were consumed in the US alone. Our car is powered by rubber bands, so it it's very environmentally friendly.

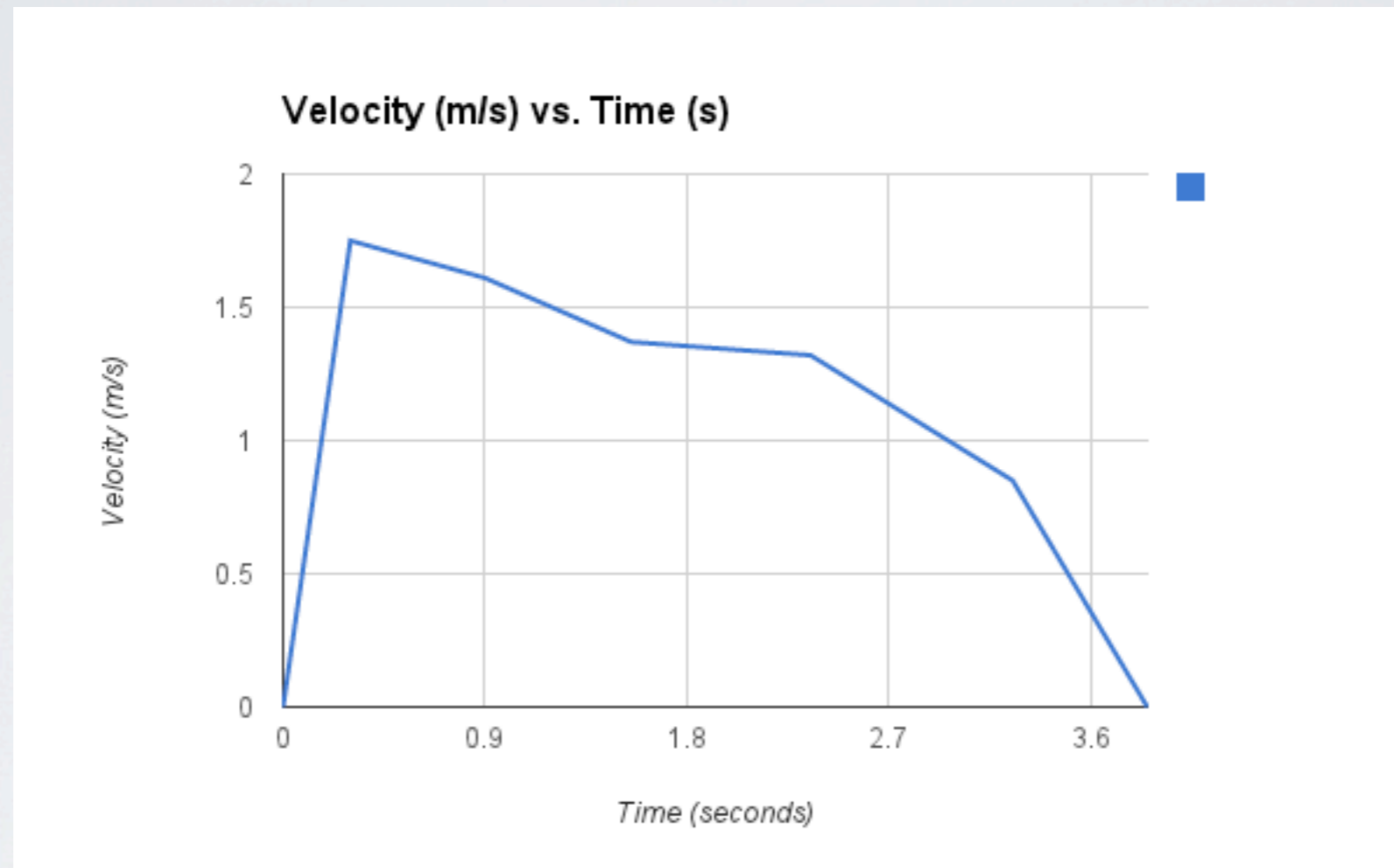
# WHY IT IS VERY FAST

- It's light weight, the car itself only weighs 100g.
- It has good traction on the wheels because of the rubber bands.
- It runs on a variety of differently sized rubber bands to increase its power.
- There is almost no friction between the axel and the body of the car.

# DISTANCE -VS- TIME

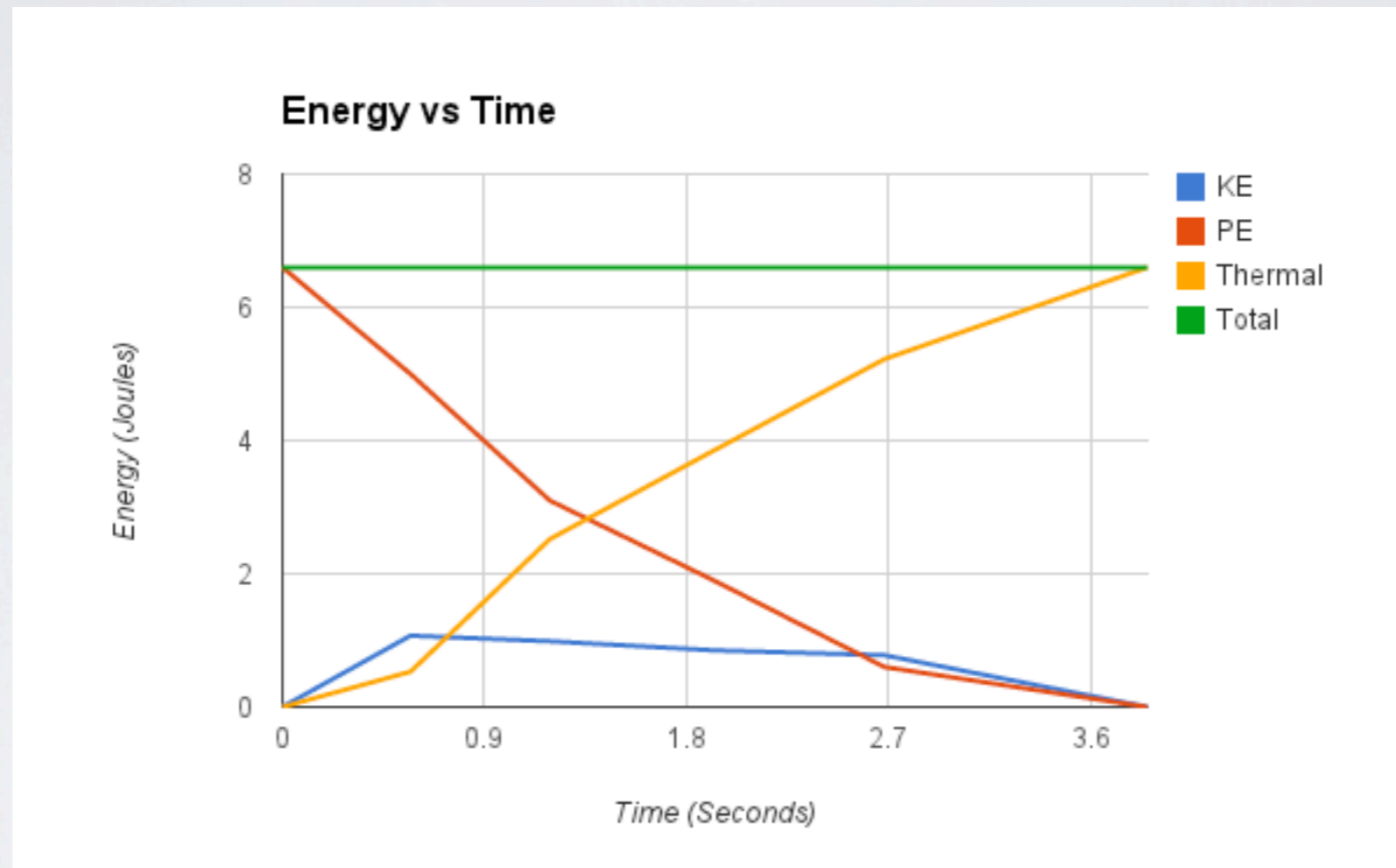


# VELOCITY -VS- TIME





# ENERGY -VS- TIME



# FINAL PRODUCT

(The 600g are taped to the bottom of the car.)

