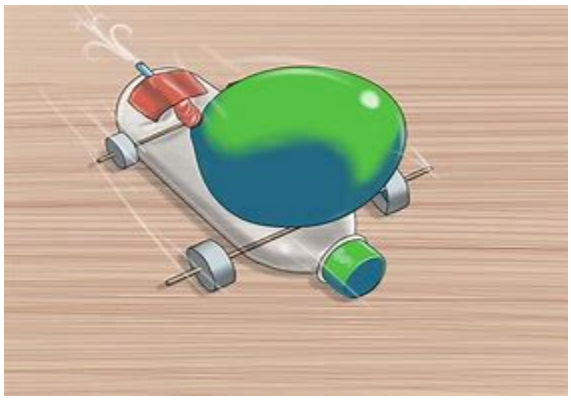
Name _____

Date_____Block_____

Balloon Car

You have been tasked with designing a balloon powered car. You will design a car and record the distance it travels.



What makes a car work? How will you make your car farther than your classmates' cars?

Before starting your sketches consider…

1. What gives a car its power?
2. What will make your car go further?
3. What will make your car stand out from the others?

Sketches

Create as many solutions as you can, and remember sketches are quick and clean.

Choose your best solution

Select the best design you sketched and explain why you think this idea will work the best.

Final picture

Draw a final picture of your car below.

Testing

Blow up the balloon and hold it closed. Then place the car onto the floor. Release the balloon and record the **time** and **distance** your car travels.

(Use the formula **distance ÷ wheel diameter = Revolutions** to calculate the number of times your car's wheels sun around.)

Distance (inches)	Diameter of wheel (inches)	Revolutions
		_____in ÷ _____in = _____rev
		_____in ÷ _____in = _____rev
		_____in ÷ _____in = _____rev
		_____in ÷ _____in = _____rev

Evaluate

How did your car turn out? Does it look like you wanted it to? Did it work like you wanted it to?

Looking Back

If you could start the project over from the beginning, what would you do differently? What would you change?

Use this page for modifications