

Design Rules

- ❖ Your car can be made of only the following materials –
 - 3 sheets of paper,
 - 4 wheels,
 - cut drinking straws for axel housing,
 - axel,
 - glue or tape
- ❖ No cardboard allowed
- ❖ No painting or decorative stickers allowed
- ❖ You may use only colored markers, pens, pencils, or crayons to decorate your car.

Design Rules continued

- ❖ The drinking straw may only be used as axle housing.
It *cannot* be used for any other structural element of the car
- ❖ The car's width must be less than 6.5 centimeters (cm)
- ❖ The car's length must be less than 12 centimeters (cm)
- ❖ The car's mass must be less than 30 grams (g) There can be no physical contact between the device and the designer(s) once the vehicle has been released on the track
- ❖ Repairs requiring additional materials will not be allowed once the competition has begun
- ❖ Wheels *must* roll on competition day. Wheels that slide (vs roll) will be disqualified

When you are done building the car, measure the car's width and mass and write the following data on your car:

- A. Your Name(s)**
- B. Car's Width**
- C. Car's Length**
- D. Car's Mass (without an egg) in grams**

