

Names: \_\_\_\_\_

### **Propelled Car** (Notes)

Design your team car.

- Create the body for the car
  - Add decorative features to your car



What is the width of your axles? \_\_\_\_\_

What is the size of your wheels? \_\_\_\_\_

What is the mass of your car? \_\_\_\_\_

### **Final Plan... Model that's tested**

How did you set up the axles for your car?

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How did you set up the wheels for your car? What did you use? How big are the wheels?

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Did you make any modifications to the car design from the beginning to end? If so, what?

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# Grading Rubric

## Car

- Car design
  - Decorative “body” features (aesthetics) **(10 pts)**

## Balloon/Rubberband (*discuss when showing images*)

- How is balloon/rubberband attached **(10 pts)**
- Where is balloon/rubberband attached **(10 pts)**

## Slideshow: **ALL images should be cropped and without people**

- Image of the Blueprint of design **(10 pts)**
- Images of car body
  - Image of axles with measurements of size... label on slide **(10 pts)**
  - Image of wheels with measurements of size... label on slide **(10 pts)**
  - Image showing mass of car **(10 pts)**
- Video of car being propelled **(10 pts)**

## Presentation

- Car able to complete the course
  - Car can roll: **5pts**
  - Goes up the ramp w/ “*Propulsion Power*”: **5pts**
    - Able to go up and across the ramp: **5pts**
    - Able to go up, across, and down the ramp: **5pts**

**Please Do NOT include any generic photos from Google Images or other similar resources**

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