

Final Exam: Paper Car Design

Problem:

Design and build a paper car that will carry two glue sticks (taped together) the longest distance from a ramp. The ramp will be set at an angle.

You will receive the following materials:

cardstock, straws, tape

Specific Regulations:

1. You may NOT use the glue stick it is only for cargo purposes.
2. All materials will be provided. No other materials will be allowed.
3. MUST have two axles.
4. Must have four separate wheels.

Hints:

1. Make the axle (straw) rotate NOT the individual wheels.
2. The glue (cargo) adds weight to the car and helps it roll farther due to momentum.
3. The wheels should not be made too big or they will be floppy and won't hold the weight.
4. The wheels should not be too small or the car does not roll as far.