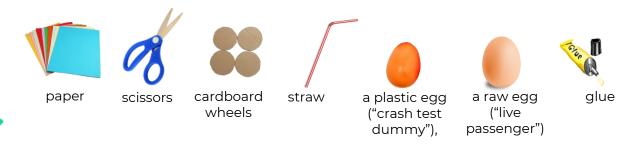
Collision is all around us!



Objective

To build a vehicle that can withstand a collision; to apply your knowledge of force and speed

Materials



Other materials you might use to build your car. You will also need something to act as a ramp, a stopwatch and a wall or hard object to collide your vehicle into

Instructions

Your task is to design a vehicle that can withstand a collision at a decent rate of speed, while keeping your passengers (egg) safe. Once your vehicle is assembled, you will test it down a ramp with a collision into a wall or another hard object, using the plastic egg as the crash test dummy.

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| Do you think y | you need to make any adjustments to your design? |
|----------------|--|
| What went wr | ong? |
| What worked | well? |
| "real" passeng | e ready, you will test your vehicle again. This time, you will use th ger, the raw egg. Once you release the vehicle down the ramp, you take no contact with it. What happened to the egg after th |
| | t a second time? Collect your data, recording the rate at which the deach time you released it down the ramp as well as an to the passenge |
| Speed | Observations to the vehicle and to the passenger |
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