

Car Crash Challenge

Team Name: _____

Date: _____

Goal: Design and create a prototype seatbelt/restraint mechanism or device that will protect an egg sitting inside from breaking or suffering damage (cracks/leakage) when racing down a ramp and crashing into a wall.

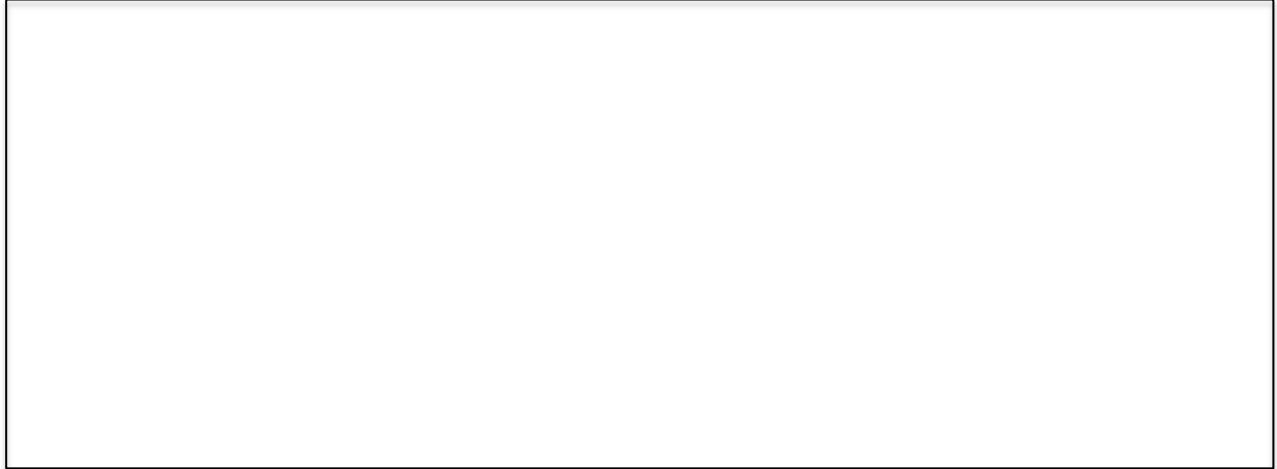
Imagine: Imagine 2 possible solutions. Draw a picture of the design and label the parts of the safety device.

Idea #1

Idea #2

Car Crash Challenge

Plan: Draw a picture of the team's design and label the parts of the safety device.



Create: Follow the plan and build it!

Test: Record the results after each trial.

Pass – the passenger (egg) stayed inside the vehicle after the crash and suffered no damage (cracks/leakage).

Fail – the passenger (egg) did not stay in the vehicle after the crash or suffered damage (cracks/leakage).

Trial 1

PASS FAIL

Trial 2

PASS FAIL

Improve:



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