



STEM CHALLENGE

Science | Technology | Engineering | Math

Name: _____ Date: _____

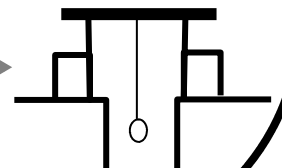
Today's Challenge: Egg Bungee

You must design a "bungee jump" so that an egg dropped from 5 feet high stops within 2 inches of the floor.

Your egg will be placed in a plastic bag, which will be tied to your "bungee chord" (this is the material you choose that will stop the egg at 2 inches from the ground). Prior to using a real egg, you'll want to run tests by filling the bag with pennies to simulate the egg.

For this challenge, you can only use the following materials:

- eggs
- nylon stockings
- rubber bands
- balloons
- yarn
- balloons
- pennies (for testing)
- plastic sandwich bag (to hold the egg)
- chairs, tables, board (to setup your "drop station")
- ruler (to measure drop height and distance from ground where the egg stops)



DESIGN PAGE:

*Explain your approach to this challenge
and draw a diagram:*

OUTCOME:

What were the results of this challenge?

EVALUATE:

On a scale of 1 to 10, how well did you accomplish this challenge? Why would you give yourself this grade?

Your Grade

What would do differently next time?

REFLECT:

How might the skills to complete this challenge carry over into real-world applications?
