

Engineers Week

EGG DROP CHALLENGE

CAN YOU DESIGN A SYSTEM TO PROTECT AN EGG FROM CRACKING OR BREAKING FROM A HIGH FALL?

THE CHALLENGE

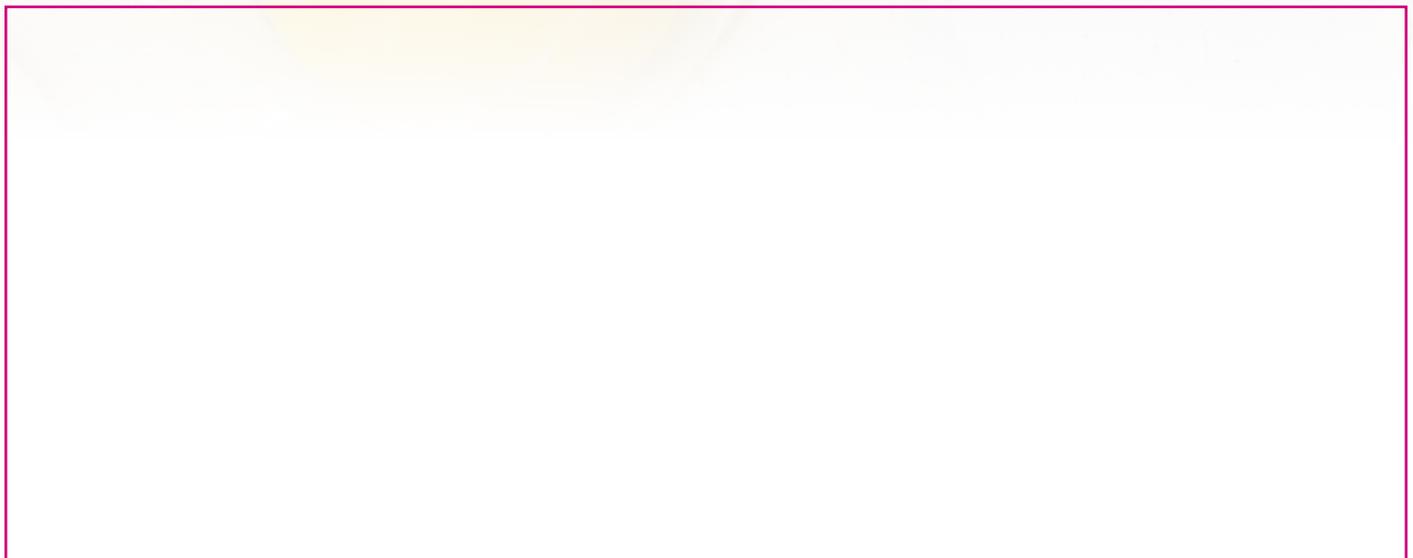
1. Gather the materials to help you design contraptions that will protect an egg from a fall.
2. Design and make contraptions to protect your raw egg.
3. Record your predictions in the printable recording sheet.
4. Discuss why certain contraptions work and others don't.

USEFUL MATERIALS

Raw eggs - Straws - Paper towels - Tape - Cardboard tubes - Paper - Cereal boxes

Use anything you'd like!

ILLUSTRATE YOUR DESIGN IN THE BOX BELOW



Explain why you think your design will protect an egg from a fall.

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ASK

What's the challenge?
How can you solve it?

IMAGINE

What are some solutions?
Brainstorm ideas with your team



PLAN AND CREATE

Make a drawing.
Use your plan to test your
ideas with your team

IMPROVE

Think about what could work better.
Modify your design and try again!



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EGG DROP RECORDING SHEET

Egg drop contraption	Will this contraption protect the egg?	Why or why not?	Was your prediction correct?