

DIY Sonic Egg Drop

Challenge:
Invent a container to protect an egg from cracking or breaking from a high fall.

1 Brainstorm
What will help slow down the falling egg or cushion its fall?

2 Build your design
Draw your own design! You might change your plans as you go.

3 Test
Take turns dropping each invention into the drop zone from higher and higher spots. Do this outside so you don't make too much of a mess, and have an adult present.

4 Win
The player whose egg survives the highest drop is the winner!



Supplies

- 1 egg per team
- Plastic or tarp cloth to protect the drop zone
- Containers (cardboard tubes, cups, boxes)
- Protection materials (balloons, rubber bands, straws, fabric, bags, newspaper)
- Paper
- Tape
- Scissors

You'll need an egg to test your contraption, but the rest of the supplies are up to you! These are just a few examples. It's always a great idea to reuse materials you can find around your house.

Thought Starters



In foam peanuts with balloons



Suspended in straws



Sitting on fabric with paper tubes

