

# 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

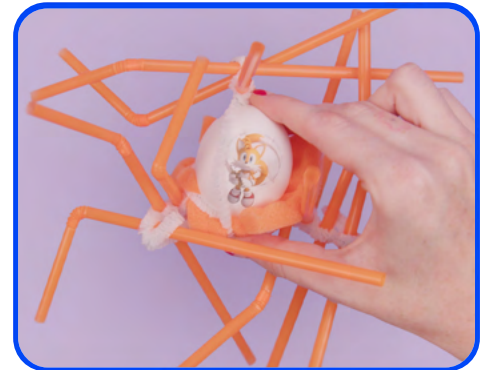
- 1 egg per team
- Plastic or tarp cloth to protect the drop zone
- Containers (cardboard tubes, cups, boxes)
- Protection materials (balloons, rubber bands, straws, fabric, bags, newspaper)
- Paper
- Tape
- Scissors

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

