



 FORT SMITH  
PUBLIC LIBRARY

Hey! Miss Leah here. Are you ready for another fun **STEAM** challenge? This one has been done for years and it never gets old: **The Egg Drop Challenge!** Time to put your engineering skills to use.

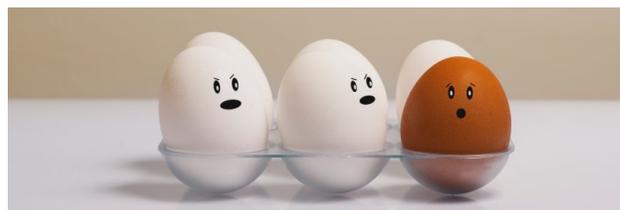
Try to create a structure that will protect a raw egg from a high fall. Note: **Do not attempt this without an adult present!**



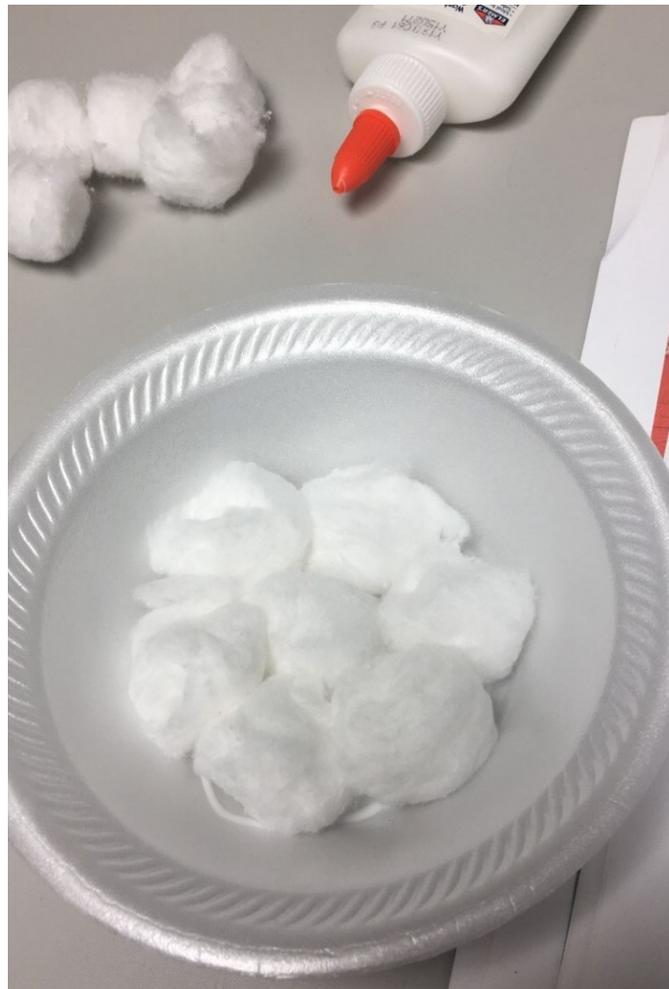
Step 1: Gather your materials. You can use anything—newspapers, plastic bags, cotton balls, Styrofoam... Tape always comes in handy, too.

Step 2: Build. This challenge is all about trial and error. If something doesn't work out, try it a different way.

Step 3: With an adult present, take your contraption (with a raw egg inside) to a place where it can be safely dropped (from a height from 5 - 10 ft). Drop your structure, then check to see if your egg survived the fall. If not, try altering your design, or construct a new one. Keep trying until your egg makes it out unbroken (or until your parents tell you to stop wasting their eggs).



Here's my contraption:

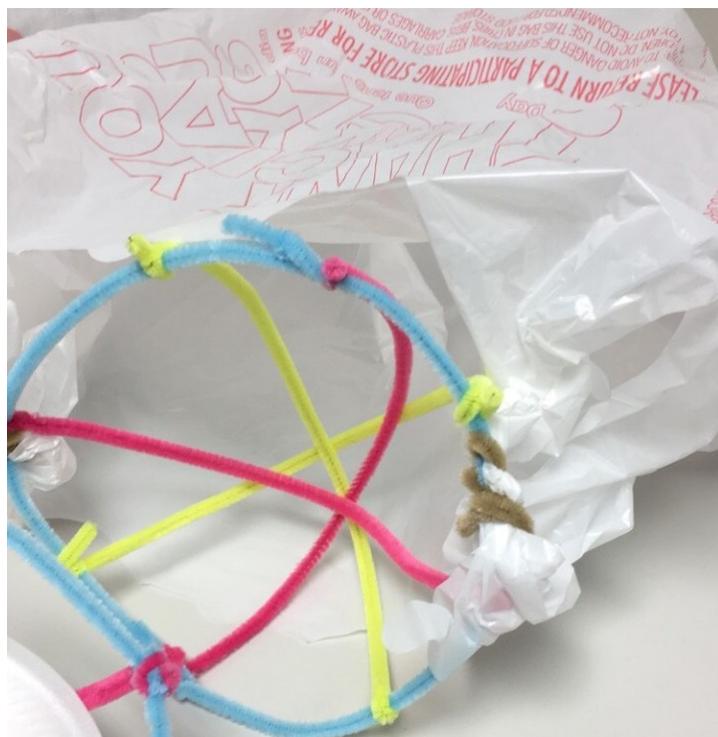


wanted to give  
my egg a nice  
cushion with  
cotton balls!



Got to keep it sealed tight! The pipe cleaners served as an extra cage of protection.

Next came the parachute. Now, I knew this plastic bag wouldn't really inflate like a real parachute, but it would at least provide some added air resistance to slow the fall and protect my egg.





The final  
look before  
flight.  
It's ready  
to go!

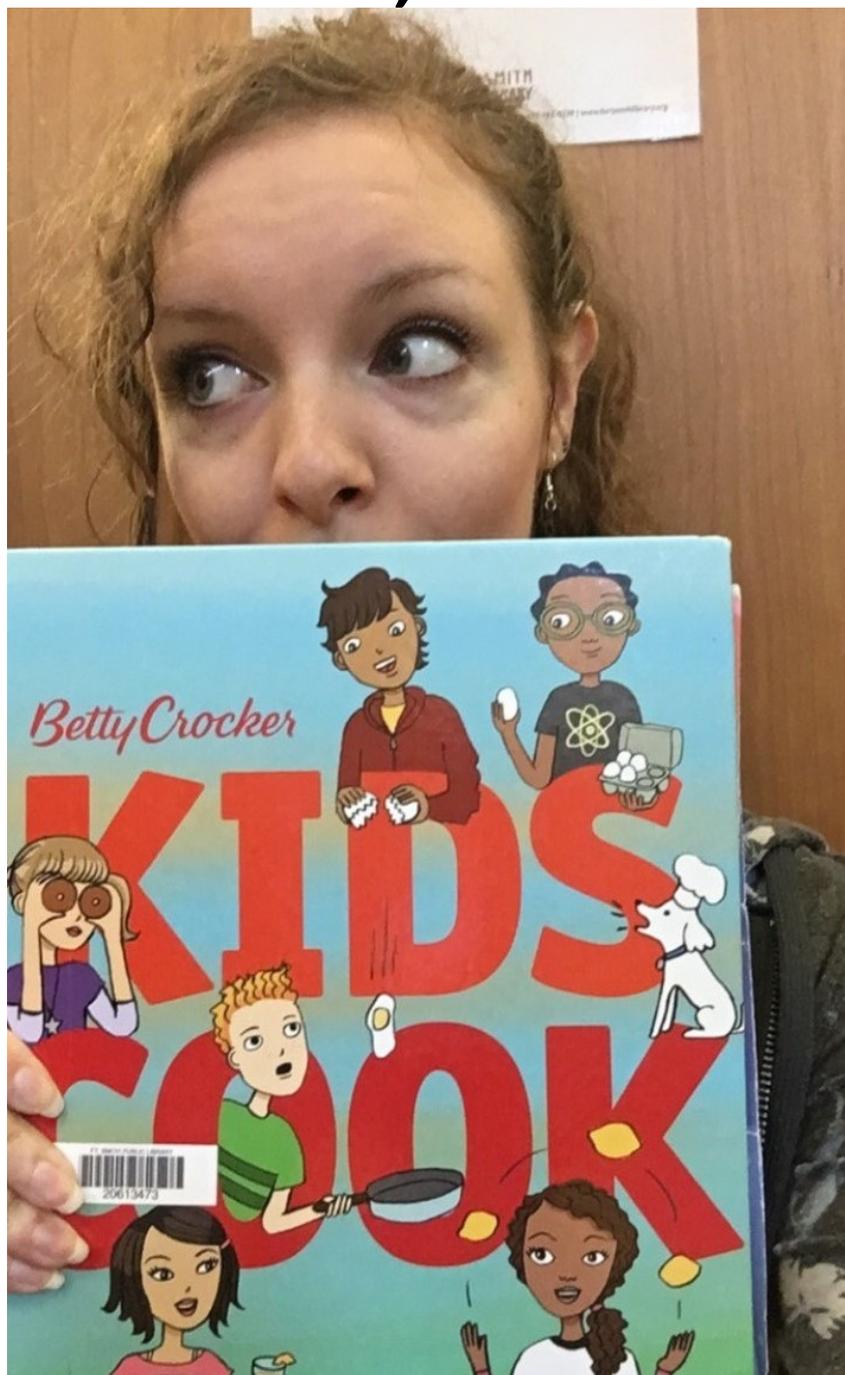
A special  
thank you  
to Ms. Tisha  
for doing  
the honors!





It survived! My egg lived to see another day ...

Well, almost.



Stay well, everyone. We hope to see you soon.  
Until then, keep checking our page for more fun  
activities!  
- Miss Leah