

## Egg Drop Challenge

*Can you design and build a container that keeps a fresh egg protected when dropped from the roof of Emerson Elementary?*

**Date: Saturday, March 20<sup>th</sup>**

**Reserve your spot: <https://signup.com/go/vynKYqT>**

- There will be three egg drop sessions of 10 slots each between 10:00am and 12:00pm. You can sign up by yourself or with a few friends to form a team.
- Due to COVID guidelines, only 30 students/teams can participate in the Egg Drop Challenge.
- All participants must wear masks and respect social distancing rules.

### What to Expect on Drop Day

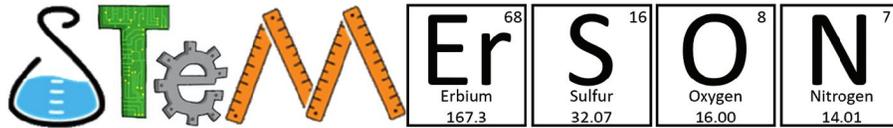
Arrive on time and check in at the PTA table to receive your egg.

An adult will drop all 10 containers off the roof.  
NO students will be allowed on the roof.

After all the containers have dropped, you will go one at a time to pick up your container.

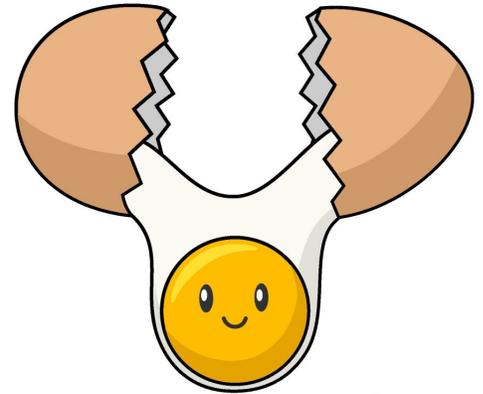
Once you have your container, take a few steps back, create some social distance, and check to see if your egg survived the fall!

Small prizes will be given to all participants. Successful engineers will receive special recognition in the Eaglet.



## Rules

1. Egg drop containers can be made of any materials except:
  - helium-filled balloons
  - materials that could break or shatter on impact
2. Your egg drop container should be no longer than 10" on each side.
3. Egg drop entries must have a simple way to insert a fresh egg into the device/container *at school* right before the drop. Do not come to the challenge with an egg already inside your container. Fresh eggs will be provided to you before the egg drop.
4. You cannot drop your egg *onto* something – your egg must rest inside your container.
5. Nothing can be used to “catch” the egg.
6. No parachutes or tethers.
7. The design and construction of your container should be done by you – the student. (Adults can help.)



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## Material ideas:

Try to use materials you already have at your house:

Paper	Rubberbands	Pipecleaners	Socks/hand towels
Trash Bags	Yarn	Recycled boxes	Tape
Cottonballs	Newspaper	Saran Wrap	Grocery Bags
Popscicle Sticks	Dixie Cups	Straws	

IF you do need to purchase materials, we recommend the creative reuse center, Clever Octopus. <http://www.cleveroctopus.org/>