



Spiritridge Elementary Egg Drop Contest May 2, 2019 11am-1pm

Learn about energy, motion and the real consequences of design engineering- then watch to see whether each falling egg will survive intact or SPLAT!

The Challenge: To build an egg container/lander that will protect a raw, uncooked egg as it is launched from a 70-foot high ladder by the Bellevue Firefighters (pending any departure due to emergency fire response calls!).

How the competition works: All containers must be made at home prior to the event. ***Bring your unsealed, eggless landing device to school the morning of the launch.*** Check-in starts at 8:20am at the school front door. Please have your name and grade written on your container. Volunteers will collect the landers, install the egg and prep the container for launch. Launches will take place during all the lunch recesses.

Registration Deadline is April 30th, 2019. Please join us to Volunteer.

Rules

- ✓ You must be a student at Spiritridge Elementary School.
- ✓ Container must hold a large AA egg. **The Spiritridge PTSA will provide 1 egg for each student.**
- ✓ **Label your container/lander with your name and grade.**
- ✓ **Weight and Size and Design Restrictions:**
 - 2 lbs., 10-inch maximum package in all directions
- ✓ The following materials **are allowed** in the design:
 - Plastics, balsa wood, straws, cotton, cardboard, tape, string, toothpicks, glue (for gluing things together NOT to sit in), rubber bands, toilet paper tubes, etc.
 - Whole Styrofoam cups
- ✓ The following materials **are not allowed** in the design:
 - Any type of parachute contraption (designs must be able to free fall).
 - Packing peanuts, bubble wrap or other store bought packaging material or foam.
 - Metals, glass, chemical containers, **plastic containers with screw on lids**, Styrofoam (with the exception of whole Styrofoam cups), and thick wood (such as 2x4).
 - No gases other than air may be used. (No Helium Balloons).
 - **No splatterables** such as peanut butter, Jell-O, liquids, fruit or vegetables (popcorn is OK).
 - No flammable substances.
- ✓ **The PTSA also reserves the right to refuse gratuitously messy, obvious splatters, or potentially dangerous entries.**
- ✓ Containers may be made by the student with minimal assistance.
- ✓ Container must be constructed with a hatch or door so that the egg can be inserted before the drop. Tape can be used for this purpose. We will have tape on hand.
- ✓ Failure to follow design guidelines above could result in disqualification. It is up to the judges' discretion as to whether or not the guidelines are being followed.
- ✓ A cracked egg is defined as one that is visibly leaking its contents. Hairline fractures are not considered cracks.

**Let the creating, designing and building fun begin.....
will your egg survive the drop, or SPLAT?**

