



## 2017 Spiritridge Elementary Egg Drop Contest JUNE 1, 2017

**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 Bucket Truck provided by the city of Bellevue Transportation Department.

**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.*** Volunteers will collect the landers, install the egg and prep the container for launch. Launches will take place during all the lunch recesses.

### 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.**
- ✓ **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?**