



Come to the PTSA Egg Drop!

On Saturday, June 7, 2013, at 10:30 AM, Kirkland Fire Fighters will begin dropping eggs from the top of a 100-foot ladder truck! Can't you just hear the *SPLATs* now?

How do you join the fun?

Step 1: Put an egg (raw, whole, in the shell) in something you create that will (or might) protect the egg when it's dropped onto the pavement from the ladder truck. Egg drops have real world applications; check out the [NASA Mars Pathfinder Egg Drop and Landing](#) and other lessons at www.nasa.gov.

Step 2: Label your egg-protecting device with your name and grade and bring it to the Mark Twain School parking lot by 10:30 a.m. on Saturday, June 7. You will place your contraption in a plastic bucket labeled with your grade. PLEASE ARRIVE ON TIME! Once the firefighters haul the buckets to the top of the ladder, we cannot add your entry.

Step 3: Stand back and enjoy the show as the fire fighters drop the contraptions one-by-one, grade-by-grade from the top of the ladder.

Are there rules?

There is no official judging, but, yes, we have a few rules:

- 1) Use a plain, uncooked egg—please don't boil, freeze or chemically alter it.
- 2) It's an egg DROPPING contest—think protecting, not floating, flying, sailing, etc.
- 3) All school rules apply (i.e. no propellants or other banned items).
- 4) Avoid using anything sharp or that could fly off and hurt someone.
- 5) Bring contraptions with you on the morning of the event, not before.

Do you need helpers?

Why, yes— yes we do! We need help setting up tables, cones, and hazard tape at 10:00, as well as help with break-down afterwards, around 11-11:30. (Note: the Fire Department hoses down the parking lot the clean up the egg goo, which is very cool to see). We also need a few grown-up/kid teams to collect and open each contraption to see whether the egg survived (FUN & EASY!). Contact Susan Swift at 425-241-8986 or at susan.e.swift@gmail.com.

What's the purpose?

The idea behind the egg drop challenge is to develop an understanding of the engineering challenges that scientists face. By designing and building a "landing craft" so your test egg survives the descent to the parking lot, you'll be simulating a challenge faced by engineers in the real world. Brought to you by the Mark Twain PTSA and the Kirkland Fire Department, the Egg Drop is an opportunity for Twain students to advance their critical thinking and problem-solving skills in an entertaining way!

See you on June 7th.

