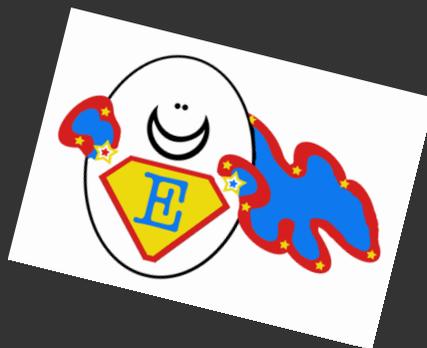


Celebrating Engineers Week

O bjective

Protect a raw egg from cracking (or smashing) from a 21.5' drop.



PRELIMINARY ROUND:

Entrants in each category compete to design the device with the lightest weight and the most accurate drop to the target, while protecting the egg. The drop zone is marked into concentric rings, with each ring assigned a drop zone value. The weight of the device without the egg is measured in grams.

Scoring Formula for Preliminary Round:*

$$Score = \left[30 \left(\frac{W}{142} \right) + 40 \left(\frac{DZ}{8} \right) \right] EIF$$

* Note: The maximum device weight is 1000 grams

GRAND PRIZE ROUND:

The top three winners in each category compete in this FINAL ROUND. The device with the lightest weight, the most accurate drop to the target, and constructed with the fewest number of parts, that drops without cracking or smashing the egg, wins.

Scoring Formula for Grand Prize Round:*

$$Score = \left[30 \left(\frac{W}{142} \right) + 30 \left(\frac{N}{5.2} \right) + 40 \left(\frac{DZ}{8} \right) \right] EIF$$

C ategories

Individual and Team Categories

Grades K - 5; 6 - 8; 9 - 12

Teams: The maximum number on a team is four. The overall team award is distributed among the team as deemed by its participants.

P rizes

	INDIVIDUAL:	TEAM:
1st Place	\$100	\$150
2nd Place	\$50	\$75
3rd Place	\$25	\$50
Grand Prize	\$300	

*W = Weight in grams

DZ = Drop Zone

N = Number of parts

EIF = Egg Integrity Factor
(1 not cracked or 0 cracked)

DETAILS

SPONSORS

Join the fun at the 7th Annual WS/FC Egg Drop Competition at Hanes Mall!

Designed to promote engineering and science in the K-12 community, this competition encourages ALL students to consider math, science and other technical disciplines as career options.

Protect an egg from a second story drop to keep it from **SMASHING** when it hits the ground!

Increasing the accuracy of the drop, minimizing the weight of the protective device and minimizing the number of components in the protective device are all factors in determining who wins and who loses...which eggs smash and which eggs don't!

PARTICIPATION IS FREE
IMAGINATION IS ENCOURAGED
ON LINE REGISTRATION IS REQUIRED!

(NO REGISTRATION ONSITE)

REGISTER AT

www.wsfceggdrop.com

REGISTRATION DEADLINE:

FEBRUARY 16, 2010

REGISTRATION IS LIMITED TO THE FIRST 400 ENTRIES

This competition is open to ingenious minds. Compete as an individual or compete as a team for the chance to win gift certificates and cash prizes.

Thanks to our sponsors for making this event possible!

SUPER EGG GRADE AA SPONSORS



SUPER EGG GRADE A SPONSORS



COORDINATED BY



7th Annual Winston-Salem/Forsyth County Egg Drop



February 20, 2010

Hanes Mall - Belk Court

Check in at 9:00 am

Competition begins at 9:30 am

www.wsfceggdrop.com