

## EGG DROP COMPETITION

### DESIGN STATEMENT:

Design and build a container that will prevent an uncooked grade A large chicken egg from breaking when dropped from an approximate height of 10 meters.

### DESIGN PARAMETERS:

Eggs will be provided by host. The container must have no dimension longer than 25 cm (length, width or height), including parachute (held upright). Maximum weight including the egg cannot exceed 1 kg. Contestants must be able to remove the egg without damage.

### TESTING CONDITIONS:

Each model will be measure, weighed and drop-tested from a ten-meter height. Each model will be evaluated by:

$$\frac{75 S}{(W + L)}$$

W = Weight in gm

L = Longest dimension in cm

S = Success factor (100 if egg does not break, 0 if egg breaks)

### PRIZES:

Prizes will be awarded for First, Second and Third places and a Prize will be awarded for Most Creative Design (regardless of breakage).

Only one entry per person. Must be in person to enter contest. Decisions of judges are final.