

14th Annual CPS Egg Drop ~ Fri. May 24, 2019*

***CAPSULES DUE TUESDAY, May 21st!**

Here's your chance to celebrate creative engineering and possibly win a \$25 Amazon gift card, courtesy of the CPS PTO!

READ ON TO SEE WHAT YOU NEED TO DO TO WIN!

Open to ALL 2nd through 8th grade CPS students.

Contestants: Please be sure to use the following set of rules as a CHECKLIST. Failure to meet any of the rules may result in being disqualified, or getting a large point deduction.

PARENTS: PLEASE BE SURE TO GO THROUGH THESE RULES WITH YOUR CHILD! We receive MANY submissions, and we do not want to deduct points because of missing components!

DESIGN & CONTEST RULES:

- No more than one entry per student will be permitted.
- Every container must be brought to Mrs. Brenner's room (#33) on **TUESDAY, MAY 21st BETWEEN 8:15AM AND 8:45AM.** *Absolutely no late entries will be accepted!*
- All capsules must be given a name. This name should be neatly written on the outside of the container. Each capsule should also be clearly labeled with the contestant's name and homeroom.
- No parachutes or restraining devices may be used. The container must drop and free fall to the target area.
- All containers will be inspected and weighed by judges before they are dropped.
- The egg must be placed into the container on-site, in Mrs. Brenner's room. A maximum of 30 seconds will be allowed to place the egg into the container. Exceeding these time limits will lead to point deductions. If the egg is damaged during placement in the container, there will be points deducted. The contestant will have one other chance to place an egg in the container without breaking the egg.
 - *Note—Contestants will be assigned a time to come back and load the Egg on May 23rd.*
- No egg may be dropped using a chicken as the capsule!!!
- No materials may be used that will shatter upon impact.
- A list of the materials used to construct your capsule **MUST** be turned in with your container and clearly labeled with the name of your capsule, as well as with your name and homeroom.
- No kits or pre-made designs may be used. The structure must be the individual's own feat of engineering!

QUESTIONS? STOP BY OR E-MAIL MRS. BRENNER at abrenner@cpsnj.org

ONE WINNER WILL BE CHOSEN IN *EACH* OF THE FOLLOWING 3 CATEGORIES:

1. **LIGHTEST** design that resulted in the egg surviving the drop.
2. **SMALLEST** design that resulted in the egg surviving the drop.
3. **MOST CREATIVE** design that resulted in the egg surviving the drop.

THE WINNER FROM EACH CATEGORY WILL RECEIVE

A \$25 AMAZON GIFT CARD!

~ COURTESY OF THE CPS PTO ~

**DETACH AND RETURN THE RUBRIC (on the following page)
WITH YOUR SUBMISSION ON TUES., 5/21, BEFORE 8:45AM.**

Reminders:

Make sure YOUR NAME AND THE CAPSULE'S NAME are clearly written on the OUTSIDE of your container, and that you FILL IN THE TOP OF THE RUBRIC! Also, DON'T FORGET TO WRITE A NICE, NEAT MATERIALS LIST! On Tuesday 5/21 you should have...

- Your capsule*
- Your rubric*
- Your material's list (preferably attached to your rubric)*

... in your hands when you come in to submit your entry. Remember- there can NOT be an egg in the container—you will be assigned a time to come back on Thursday and place an egg inside, which will be provided by Mrs. Brenner.

**PLEASE FILL IN YOUR NAME, GRADE, HOMEROOM, AND CAPSULE NAME.
HAND THIS FORM IN WITH YOUR ENTRY AND MATERIALS LIST ON TUES. MAY 21st by 8:45AM.**

Name _____ Grade _____ Homeroom _____

Capsule Name _____

DO NOT WRITE IN THIS TABLE OR BELOW IT- THIS IS FOR THE JUDGES ONLY:

CATEGORY	CRITERIA	SCORE
List of Materials	0 pts List of materials is missing or unreadable 2 pts List of materials is incomplete, inaccurate, or difficult to decipher 6 pts List of materials is complete but not "final project worthy" 8 pts List of materials is complete and contestant has taken the time to check spelling and formatting to create a list that is a reflection of their best efforts	
Weight	0 pts More than 3.0 lbs 1 pt Between 2.0 and 3.0 lbs 4 pts Between 1.5 and 2.0 lbs Actual Weight = _____ 6 pts Less than 1.5 pounds 8 pts 16 ounces or less	
Size	0 pts Exceeds size limitation (larger than 20*20*20 inches) 2 pts Container measured less than 18*18*18 inches 6 pts Container measured less than 12*12*12 inches Actual Size = _____ 8 pts Container measured less than 6*6*6 inches	
Loading	0 pts Unable to load raw egg into capsule within 30-second timeframe after 2 tries 4 pts First attempt at loading egg was not done in time, or resulted in breakage. An egg was successfully loaded during the second attempt. 8 pts Raw egg was successfully loaded into the container within the 30 second timeframe	
Condition of Egg	0 pts Complete and utter destruction of the egg: yolk exposed and shards of shell separated from the egg 2 pts Leakage of large amounts of egg white, or small amounts of yolk 4 pts Small or larger cracks in the egg, with leakage of a small amount of egg white only 6 pts Hairline fractures in egg, with no leakage 8 pts Eggshell has no cracks whatsoever	
TOTAL SCORE		

Creativity (based on materials used, overall design, and overall look/theme; 1-10 scale):