

EVENT 6: PRINGLES PACKAGE EVENT

Updated 1-9-2020

OBJECTIVE: To design the smallest container that will enable two Pringles chips to be sent through the U.S. Mail without damage.

RULES:

- a. The team will determine and implement a strategy to mail two Pringles chips safely through the U.S. Mail.
- b. The mailing package must meet all U.S. Postal Service safety and mailing regulations.
- c. Materials that can leak out of the package or cause damage to other mailed items are not to be used.
- d. The package must be bigger than 5 inches by 3 inches by 2 inches (12.7cm x 7.62cm x 5.08cm) and smaller than 6 inches by 5 inches by 8 inches (15.24cm x 12.7cm x 20.32cm).
- e. Within the package, enclose the Pringles in a sealed ziplock-style plastic bag from which the Pringles can be visually inspected and then easily removed by the judge(s).
- f. Both Pringles must be unaltered in any fashion.
- g. The two Pringles must arrive oriented in some fashion other than their trademark stackable and nested configuration.
- h. Only one entry per team.
- i. The package must be marked on the outside for easy identification as to school and team.
- j. Using the U.S. Postal Service, mail the Pringle container to the following address depending on which location you are attending:

FOR NORTH/CENTRAL JERSEY competition:

John Valente
Marine Academy of Science & Technology
Bldg. #305
MAST Way
Sandy Hook, NJ 07732

FOR SOUTH JERSEY competition:

Nancy Michaelson

- k. Mail **without** requiring return receipt signature.
- l. The Pringle package is to arrive by December 4, 2019. Once received, the team will receive a confirmation email. If no email is received, it is the team's responsible to notify the event organizers and to mail a second package to arrive by December 16, 2020. If the team mails their Pringles' package after December 4, 2019, their package may not arrive in time for the team to receive a confirmation email and mail, if needed, a second package can be mailed. If the package is not received by the Judge(s) in time for the competition, the team will forfeit this event. The Pringles' package may not be brought to the event. *To ensure that the Judge(s) receive your entrée in time for the competition, it is recommended that you mail it as soon as possible.*

COMPETITION AND SCORING:

- a. When received by the judge(s) the unopened package will be stored in **non-climate controlled outside shed** until the day of the event.
- b. The unopened package will be transported to the event by car.
- c. The package must be marked on the outside for easy identification as to school and team.
- d. In front of the judge(s), the team will open and remove the plastic bag containing the pringles.
- e. The judges will examine the Pringles while still in the plastic bag to visually check their condition and determine their orientation. The Pringles will then be removed from the plastic bag and judged according to the additional following criteria: the Pringles must be unblemished, naturally colored and have no cracks or damage.
- f. Pringles meeting these criteria will be judged as surviving the mailing process.
- g. Pringles that are damaged during the normal process of removing them from their containers/wrappings will be judged as having failed to survive.
- h. Pringles that arrive unbroken and without cracks but failing the other criteria will receive the disqualification score.
- i. The team's score will be calculated by adding together the numerical value of the package's volume, in cubic centimeters, and mass, in grams, together, i.e., a volume of 25 cubic centimeters and a mass of 25 grams will receive a score of 50 points.
- j. The team with the lowest score wins.
- k. In case of a tie, the package mailed using the smallest amount of postage will win.
- l. If the tie breaking procedure is used, the winning team with the lowest postage will have their score decreased by 10%. Their adjusted score will then become the new winning (lowest) score. For example, a team receiving a winning score of 50 and also having the lowest postage will receive a score of 45.

$$\text{FINAL TEAM SCORE} = \frac{(\text{Lowest score})}{(\text{Team score})} \times 100$$

Winning team gets 100 points, other teams get >100 points toward overall score.

DISQUALIFICATION SCORE: 20 points above the highest score.

Updates to the rules and frequently asked questions with answer are available at: njaapt.wildapricot.org. It is the team's responsibility to check for changes and clarifications to the rules.