



Age Groups & Time of Events:

Grades 5 & under	- 1:00pm
College/Adult	- 2:00pm
Grades 6 through 8	- 2:30pm
Grades 9 through 12	- 3:00pm

Design Contest

Sponsored by the

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

and the

AMERICAN SOCIETY of MECHANICAL ENGINEERS

Hosted by

The Mariners' Museum and Park

April 7th 2024

Location: The Mariners' Museum USS Monitor Replica

Cost to Compete: FREE!!

Rules:

- ❖ No Styrofoam, bubble-wrap, or fiberglass insulation.
- ❖ No balloon designs.
- ❖ Weight penalty (5 grams/inch) assessed for center of containers landing outside the 1-foot diameter target area.
- ❖ Registration begins 30 minutes before the drop times for the respective age categories.
- ❖ Entries will drop from the side of the *USS Monitor Replica*

- On-site registration begins at 12:30pm for the first Age Group. (optional pre-registration available)
- We recommend devices be built in advance but **eggs supplied at the event must be used**

Plan to register a large number of participants? If possible, please email the event contacts to give them a heads up.

- AIAA contact: Karen Berger and Amanda Chou at aiaa.hrs.k12outreach@gmail.com

For up to date information check the website:

<https://engage.aiaa.org/hamptonroads/home>

Objective:

Design the **LIGHTEST** possible container that will hold a fresh egg, so that when dropped from the *USS Monitor Replica*, it will prevent the egg from being cracked or smashed while landing as close as possible to the target.

Prizes: Gift Certificates

- ❖ 1st, 2nd, & 3rd place for the best scoring parachute & non-parachute entries in each age category.
- ❖ Most creative in each category.

