AMERICAN ROCKETRY CHALLENGE

$100,000 in Annual Prizes for Students & Schools

- This event is an annual nation-wide rocketry-based aerospace design and flying challenge competition for student teams of 6th-12th graders.

- It is conducted each year starting in September, leading to a competitive face-to-face fly-off on May 17th among the top 100 teams from across the USA. The prizes are $100,000 in cash split among the top 10 teams plus a free trip to the Paris Air Show for 1st place. The fly-off is held at The Plains, VA, near Washington, DC.

- It is sponsored by the Aerospace Industries Association (AIA) on behalf of America's aerospace industry, and by the non-profit National Association of Rocketry (NAR).

PURPOSE

The purpose of the Challenge in 2025 is to teach students aerospace engineering by having them design and build a safe and stable model rocket that lifts a fragile payload of two raw eggs to an exact altitude of 790 feet and has a flight duration of 41 to 44 seconds, at the end of which it returns this payload to earth safely and undamaged.

- Models must be made of non-metal materials such as balsa, paper and plastic, must weigh no more than 650 grams at liftoff and be at least 650 millimeters long, and must use commercially-made, NAR safety-certified model rocket motors in power class "F" and below. These are widely available in local hobby stores and online.

- Altitudes are determined by a small, accurate commercially-made electronic barometric altimeter carried within the rocket, and read after the flight.

ELIGIBILITY & ENTRY

- Entry is open to groups of 3 to 10 students (6th - 12th grade) who must enter as a team sponsored by a public or private school, home school association, or non-profit youth group.

- Visit the event website <www.rocketcontest.org> to register. Entry opened in June and closes December 1. Visit the NAR website <www.nar.org> for information about America's largest sport rocketry organization and check out the "Educational Resources" web page while you are there.