



## **TEAM AMERICA ROCKETRY CHALLENGE**



### **\$60,000 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 7<sup>th</sup>-12<sup>th</sup> graders.
- It is conducted during each school year starting in September, leading to a competitive face-to-face fly-off for the final prizes among the top 100 teams nationally. This is held in late May 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 National Association of Rocketry (NAR).

### **PURPOSE**

The purpose of the Challenge is to teach students aerospace science by having them design and build a safe and stable model rocket that lifts a fragile payload (one raw egg) to exactly 750 feet and has a flight duration of exactly 45 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 3.3 pounds at liftoff, and must use commercially-made, NAR safety-certified model rocket motors widely available in local hobby stores.
- 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 (7<sup>th</sup> - 12<sup>th</sup> grade) who must enter as a team sponsored by a public or private school, home school association, or non-profit youth group, under the supervision of an adult from that school or group.
- Visit the event website <[www.rocketcontest.org](http://www.rocketcontest.org)> to register. Entry opens in early September and closes 1 December. Visit the NAR website <[www.nar.org](http://www.nar.org)> for information about America's largest sport rocketry organization.