Team America Rocketry Challenge 2015 Explained

The rocket must hit a precise altitude of 800 feet. Teams are penalized with a point for every foot above or below 800 feet.



The section of the rocket containing the egg and altimeter must land separately from the portion housing the motor.





The rocket must carry a payload of one raw egg, safely returning it to the ground uncracked.



The duration of the flight must be between 46-48 seconds. Teams are penalized with four points for each second they are outside the time window.

Teams of 3-10 students work together to design and construct a rocket.



Teams that advance to the second round at the National Finals will then be challenged with new flight parameters to determine the winner.

The final flight at nationals has a target altitude of 775 feet and a goal flight duration of 45-47 seconds.

SCORING:



Teams are ranked on the combined score from their two best flights, the lower the better!



FLIGHT 1 + FLIGHT 2 = TOTAL SCORE

