The rocket must reach an altitude of 800 feet. Teams are penalized one point for every foot above or below the goal.

The rocket must carry a payload of one raw egg and safely return it to the ground uncracked. All parts of the rocket must remain tethered or connected through takeoff and landing.

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

All parts of the rocket must descend safely and remain connected together. Rockets must descend using at least one parachute.

The duration of the flight must be between 40 to 43 seconds. Teams are penalized by four points for each second outside that window.

At the National Finals, the rockets will be required to reach two new altitude goals of 775 or 825 feet within 39-42 seconds or 41-44 seconds respectively.

SCORING:

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

\[
\text{SCORING FOR EACH FLIGHT} = \text{Unbroken Eggs} + \frac{\# \text{ of feet over/under}}{\text{seconds over/under}} \times 4
\]

\[
\text{FLIGHT 1 + FLIGHT 2 = TOTAL SCORE}
\]