



American Rocketry Challenge 2026

The rocket requirements for the 2026 program will be:

- Rocket designs and flights must comply with the Safety Code of the National Association of Rocketry
- Rocket length must be no less than 650 millimeters (25.6 inches) and weight at takeoff must be no greater than 650 grams (22.9 ounces).
- Rocket body tube must be the same diameter from nose cone to tail end, and this diameter must be at least 47 millimeters (1.85 inches)
- Single stage with no more than 80 Newton-seconds of total rocket motor power using one or more motors from the list of those approved for ARC (type "F" and smaller).
- Payload of one raw Grade A Large egg of 55 to 63 grams weight, carried in any orientation that must survive the flight uncracked
- All parts of the rocket must descend safely connected (tethered) together using one or more parachutes for recovery
- Target apogee altitude is 750 feet (229 meters) for qualification flights and target flight duration is 36 to 39 seconds; at the Finals the altitude targets will change to be between 725 and 775 feet.