

AMERICAN ROCKETRY CHALLENGE 2025
QUALIFYING/SELECTION FLIGHT REPORT

TEAM'S SCHOOL/ORGANIZATION: _____

AIA TEAM NUMBER: _____ ADULT SUPERVISOR: _____

DATE OF THIS FLIGHT: _____ QUALIFICATION ATTEMPT # (Circle) 1 2 3

FLIGHT REQUIREMENTS (ALL MUST BE CIRCLED "YES" OR THE FLIGHT IS DQ)

- Did this rocket weigh less than 650 gm at takeoff, with egg and motors, was it 650mm or more long, and did it use two body tubes with the required diameter constraints, each at least 6 inches long? YES / NO
- Did it use motors from the ARC approved list containing a total of no more than 80 N-sec total impulse? YES / NO
- Did it contain two Grade A large, raw hen's eggs oriented sideways and an ARC-approved altimeter? YES / NO
- Did the rocket separate into two parts for recovery, each with parachute recovery? YES / NO
- Did this rocket make a safe flight under the ARC 2025 rules & NAR Safety Code? YES / NO
- Did the rocket land safely and without any human intervention? YES / NO
- Did both eggs carried by the rocket remain uncracked after the flight? YES / NO

SCORING

TIMER # 1 (NAR OBSERVER): _____	SEC	HUNDREDTHS		EXCESS ABOVE 44.00 SEC: _____	
				MULTIPLY EXCESS BY 4: _____	+
TIMER # 2 (OTHER ADULT): _____	SEC	HUNDREDTHS	OR	SHORTFALL BELOW 41.00 SEC: _____	+
				MULTIPLY SHORTFALL BY 4: _____	+
AVERAGE TIME: _____	SEC	HUNDREDTHS		DIFFERENCE FROM 790 FEET: _____	+
				(NO NEGATIVES)	+
ALTIMETER ALTITUDE: _____			FEET		+
				FINAL SCORE (SUM) _____ Put <u>only</u> "DQ" if any answers above are "no"	

SUPERVISING TEACHER/ADULT CERTIFICATION

I certify that the student members of this team designed, built, and flew this rocket without my assistance and, to the best of my knowledge, without the assistance of any other adult or any person not on the team. I also certify that no more than the allowed number of official qualification flight attempts were made by this team, and that the team information on file at AIA is current. I understand that team membership can no longer be changed and only team members on file at AIA with valid parent consent forms are eligible to receive prizes.

SIGNATURE: _____ PRINT NAME: _____

ADULT N.A.R. MEMBER OBSERVER CERTIFICATION

I certify that I am an NAR member age 21 or older who personally observed this flight, and the above initials and scores are mine, based on my observations. I certify that I am not related to any team members or affiliated with their school or non-profit organization, that this flight was conducted in compliance with the rules of the ARC competition, and that this flight was declared to me to be an official qualification flight before its liftoff.

SIGNATURE: _____ PRINT NAME: _____ PHONE: _____

NAR NUMBER: _____ CITY, STATE: _____ EMAIL: _____

SUBMIT USING ONLINE PORTAL AT ROCKETCONTEST.ORG (Successful flights only)
OR E-MAIL SCANNED COPY TO QualificationFlights@aia-aerospace.org
NO LATER THAN MIDNIGHT (EST) APRIL 7, 2025
Team submits this form if flight is successful, NAR observer submits for DQ flights