



4S Aerospace and Rocketry

Sponsorship Packet · 2026 Season

Student-built rockets. Real telemetry. One shot on launch day.

Formerly Del Norte High School Rocketry — TARC National Finalist
dnhsrocketry@gmail.com · San Diego, CA



Zenith I — our national-finalist vehicle

Who We Are

4S Aerospace and Rocketry is a student team competing in the Team America Rocketry Challenge (TARC) — the world's largest student rocketry competition. Every year, we design, build, test, and fly our own vehicles to hit a precise altitude and duration target, then compete against thousands of teams nationwide.

The team previously competed as **Del Norte High School Rocketry**, earning recognition as a **TARC National Finalist**. That track record is what we're building on this season.

Members handle every part of the build — airframe fabrication, recovery systems, electronics and altimetry, and flight simulation — entirely student-run, from initial design through launch day. Outside of the competition season, we also run summer rocketry camps to introduce younger students in our community to hands-on aerospace engineering.

This Year's Vehicle: Zenith II

Our current build is just getting underway. Zenith II uses a dual-diameter airframe design — a BT-70 forward section paired with a BT-80 aft section — connected through a PA12-CF (nylon carbon-fiber) tube transformer, with a matching PA12-CF fin can and an 18 in nylon parachute for recovery.

Component	Detail
Airframe	Dual-diameter — BT-70 forward, BT-80 aft
Tube material	Cardboard (both sections)
Fin can & tube transformer	PA12-CF (nylon carbon-fiber)
Nose cone	Vacuum-formed plastic
Recovery	18 in nylon parachute

Motor selection, target altitude, and liftoff weight are still being finalized as the design comes together.

Why Sponsor Us

Every rocket, camp session, and workshop tool comes out of a small student-run budget. Sponsorship directly funds:

- Airframe materials, motors, and recovery hardware for competition vehicles
- Part fabrication — 3D-printed and machined components like fin cans, tube transformers, and avionics sleds
- Travel and entry fees for regional and national TARC events
- Summer rocketry camps for younger students in our community
- General operating budget so we can keep improving each season — better tools, better materials, more test flights

Sponsorship Tiers

Tier	Minimum	Recognition
Booster	\$2,500+	Largest logo placement on our website & rocket; social media features
Orbit	\$1,000+	Prominent logo placement on our website; social media mention
Launch	\$250+	Logo listed on our website's Sponsors page
Crew Supporter	Any amount	Listed by name on our website's Sponsors page

In-kind donations (materials, shop time, tools) are just as valuable as cash and are welcome at any tier — reach out and we'll figure out the details together.

How to Get Involved

Email us at dnhsrocketry@gmail.com to set up a sponsorship arrangement, or donate directly online at hcb.hackclub.com/donations/start/4s-aerospace-rocketry (processed through Hack Club Bank, our fiscal sponsor). We're happy to answer questions or put together a custom arrangement for your organization.

Thank you for considering 4S Aerospace and Rocketry. We couldn't do this without the support of sponsors like you.