

TYEE ROCKETRY CLUB

2026–27 Parent Info Night

Build. Test. Launch. Learn.

September 14, 2026, 6PM



What is The American Rocketry Challenge (or, TARC)?

- The world's largest student rocket competition that has engaged 110,000+ middle and high students in rocketry.
- Teams design, build, test and launch an original model rocket to meet rigorous requirements.
- Students practice engineering, teamwork, leadership and problem-solving.
- The Top 100 teams nationwide advance to the National Finals.

A yearlong, hands-on engineering competition for students in grades 6–12.



The Challenge of 2027: Precision, Protection & Recovery

800 FT

target altitude

37–40 SEC

target flight time
(Apogee to Landing)

2 RAW EGGS

must return uncracked

- Maximum liftoff weight: 650 g
- Minimum overall rocket length: 650 mm
- At least two different body-tube diameters
- Parachute recovery; all parts stay tethered through landing

Design a rocket that hits the target — and brings its payload home safely.



Student-designed • student-built • student-flown

Road to the National Finals

The club season moves from registration → design/build → test flights → qualification.

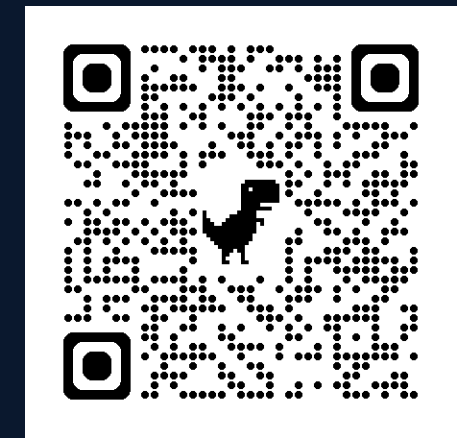


Qualification

- 2-3 official qualification attempts
- best two scores are combined
- flights observed by an adult NAR member

Awards

- National Finals at Great Meadow, The Plains, Virginia
- The top team goes to the International Rocketry Challenge
- learn more @rocketrychallenge.org

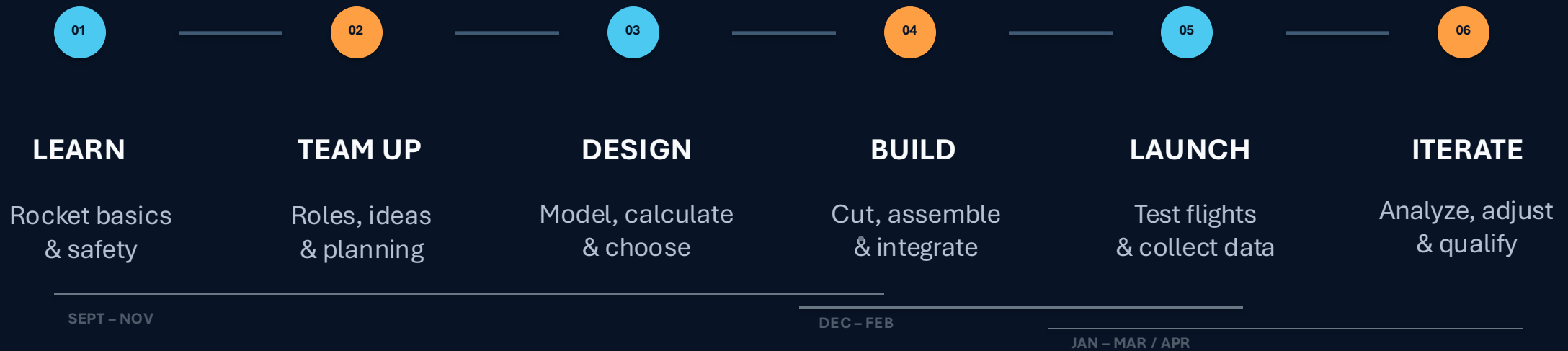


TARC

Life of a Tyee Rocketeer

Students learn engineering by doing — then doing it again, better, under the guidance of top-tier Bellevue high school coaches.

•Club Starts / First Meeting on Sept. 21.



The goal is not a perfect first rocket. The goal is a TEAM that can test → learn → improve.

Tyee Rocketry Club — Capacity, schedule, registration, selection process

25 / 5

STUDENTS / TEAMS

club capacity

MON + THU

4–6 PM

regular meetings

SUNDAY

9 AM–12 PM

2-4 launches / month @60 Acres *

\$600

CLUB FEE

Covers up to qualification**

REGISTRATION & SELECTION

1

Apply

Student + parent complete and sign the application forms.
Attending Info Night is not required.

2

Submit

Hand-Deliver the completed form to Mr. Burke @Room 1304 by 4pm on Thursday, Sept. 17. NO EMAILS.

3

Lottery

Fully completed & approved applications enter the selection lottery.
(Students in Spring session get two tokens.)

4

Accept

Acceptance emails sent by Sept.18 + payment instructions.
Tuition due Sept. 19, 11:59PM.

- No prior rocketry experience required • Interest + commitment matter most.
- PTSA membership required.

About 16 open spots for new team members.

- Initial payment covers up to qualification • Extra funding needs will be evenly distributed.

*Due to weather conditions, some Saturday launches are possible.

**New fees start for all teams attending finals.

Commitment & Expectations

Rocketry is a team competition. Every student's attendance and contribution affects the whole team.

THIS IS A COMMITMENT

**2 days / week
+ launch Sundays**

through the competition season

Students should join because they are motivated and interested in science and engineering, and ready to launch their passion for rocketry! — Not simply “try a club.”

SHOW UP

Committed to attending weekly meetings and launch sessions consistently.

4 strikes for meetings + 4 strikes for launch.

DO THE WORK

Ready to explore, participate actively, bring ideas to problem solve, and come prepared to move the team forward.

BE A TEAM PLAYER

Share responsibility, listen, communicate, and follow through. Support peers. One person's absence affects everyone.

WORK SAFELY

Follow workshop safety guidelines and handle equipment carefully. Follow coach instructions and launch/build safety rules every time — no shortcuts.

2026–27 policy: 4 strikes for unexcused absence / misbehavior could result in removal from the club.*

How Families Can Help

A strong season takes a team — students, mentors and families.

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INDUSTRY CONNECTIONS

Aerospace, engineering or STEM contacts for speakers, mentors, tours or support.

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WEEKLY ROTATING SNACKS

Families sign up to provide snacks for Mon/Thu. meetings.
50 Meetings = 2 slots / family.
Launch snacks to be coordinated within each team.

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VOLUNTEER AT MEETINGS

Parent volunteers are always welcomed during weekly meetings.
*BSD requires Sterling L3 background check for all volunteers.
Parents are encouraged to stay during launch sessions.

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ON-TIME PAYMENTS

Unpaid tuition by midnight Sept. 19 results in loss of student placement and spot moves to the first waitlisted applicants, who then has 48 hours to submit payment.

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TRANSPORTATION

Drive students to/from launches @ 60 Acres in Redmond – and ensure on-time pickup.
Potential travel with students to the National Finals.

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STAY CONNECTED

Follow club updates and help your rocketeer stay committed.
Parent communications via Email & WhatsApp group.

Thank you for helping make launches, meetings and opportunities possible.

Watch Us Launch

From preparation on the field to liftoff.



Questions?

Thank you for supporting Tyee Rocketry Club.

STAY CONNECTED

Tyee Rocketry Club

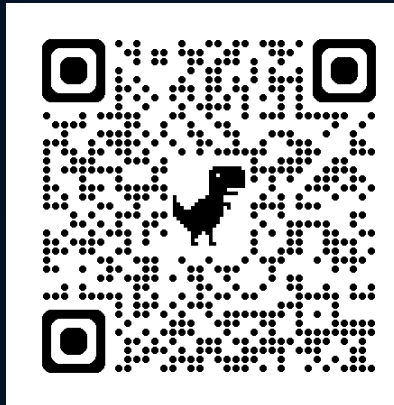
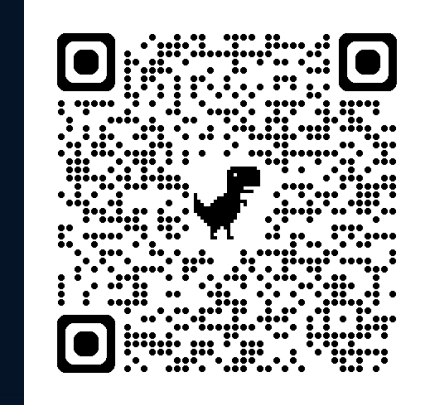
MENTOR Mr. James Burke
burkej@bsd405.org

CO-CHAIRS Stephanie Wu
rocketryclub@tyeeptsa.org

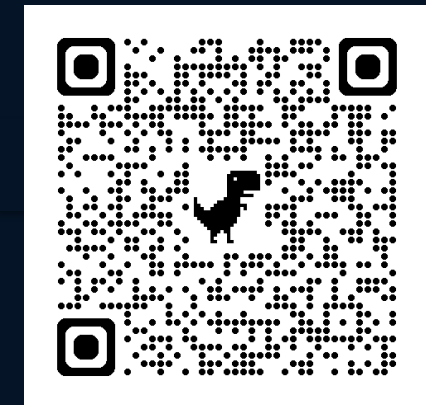
Questions before or during the season? Reach out anytime.

READY TO JOIN?

Application forms are
available to download on
PTSA Rocketry Page →



PTSA Membership



BSD Volunteer Form

We look forward to a great season together.