

"CHANGING THE CULTURE, ONE NUT AND BOLT AT A TIME."



REBEL ROBOTICS

FRC TEAM 2638

SPONSORSHIP PACKET



**William A. Shine - Great Neck
South High School**

Where Discovery Leads to Greatness

LEAD MENTORS

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Meet Rebel Robotics

Rebel Robotics (Team 2638) is a student-led, **no-fee, no-cuts public school robotics team** from Great Neck South High School in Great Neck, New York. Founded in 2007, our team of **120+ students** meets year-round to build competition robots and lead STEM outreach. We compete in the international *FIRST*® Robotics Competition (FRC), have earned 13 World Championship invitations and sent alumni to top engineering programs nationwide. We operate like a varsity team and an engineering lab in one—run entirely by students, and open to anyone ready to learn and lead.



As an FRC team, Rebel Robotics strives to advance the mission of FIRST®—inspiring young people to become science and technology leaders—by giving students the tools, mentorship, and platform to turn STEM ambition into real-world impact.

Through our program, Rebel Robotics students...

...Reach the top year after year!

- Apply engineering principles to design and build robots
- Collaborate with peers and mentors
- Learn CAD, Java, electronics, safety, and project management
- Serve our community through STEM outreach and mentorship
- Promote gender equity in STEM through our **SHE** (She Has Empowerment) initiative
- Qualify for \$80M+ in FIRST® scholarships
- Compete in regional and international events
- Have qualified for Worlds 13 times since 2007
- In 2025 over 600 teams from 59 countries competed with us at the World Championships at Houston
- **In 2024, we earned the Engineering Inspiration Award at the FIRST World Championship in Houston, Texas!**

Team Achievements

Competitive Excellence

- **13x FIRST World Championship Qualifier**
- 2025 Midwest Regional – Alliance Captains, Quarterfinalists
- 2025 Greater Pittsburgh Regional – Judges' Award
- **2024 FIRST World Championship – Engineering Inspiration Award**
- **5x FIRST Chairman's/ Impact Award Winner**
- 35+ technical and safety awards across Regionals and Worlds

Technical Highlights

- 6-week build season: CAD, fabrication, wiring, programming
- Modular robot architecture with in-house documentation system
- Proprietary Java training curriculum for new programmers
- Custom scouting app and autonomous codebase built by students
- Technical training in CAD, Java, pneumatics, and safety

We operate like a varsity team, an engineering workshop, and a leadership incubator—built entirely inside a public high school, open to every student regardless of background. Our students lead the design, fabrication, coding, and strategy—gaining real technical and project management experience.

Pipeline & Alumni Outcomes– True STEM incubator for the local community

- We channel students from our middle school to build engagement and leadership early and sustain technical continuity
- Train in CAD, Java, mechanical design, electronics, safety, and project management
- Our freshman training pipeline develops CAD fluency in under 10 weeks.
- Alumni attend Cornell, RIT, WPI, University of Michigan, NYU Tandon, Northeastern, and more



Many pursue careers in robotics, aerospace, software, and bioengineering

Team Impact

\$148,597

raised and donated
to charity since
2007

Rebel Robotics has organized and led dozens of outreach efforts across Long Island, New York City, and globally. We are committed to making STEM accessible to all—engaging our community with hands-on events, mentorship, and resources that open doors for the next generation of innovators.

Community Outreach Highlights

- **Books Not Bots:** We have donated 2,300+ books to underserved schools and literacy programs—because education comes first, robots second.
- **FIRST Team Support:** We actively mentor and train over 17 local and international FIRST teams, providing technical guidance, leadership development, and infrastructure support through our global ION partnership network.
- **SHE (She Has Empowerment):** A student-led initiative to grow gender equity in STEM. We have hosted speaker series, field trips, and resource development sessions that reached girls across New York—and globally in Tajikistan, Egypt, and Algeria.

Additional Outreach Events

CPR / AED Training for
All Members

55,000+ Meals Packaged
for Charity

COVID PPE
Fabrication &
Distribution

STEM Kits Deployed
Internationally

Local School Demos &
CAD / Java
Workshops

Fundraising for 15+
Nonprofits

Global Remote
Mentorship via ION

Outreach at Local Street
Fairs & STEM Nights



2025 World Championship Trip Highlights



Sponsorship opportunities

Our current sponsors

NASA, GOOGLE,
ZEBRA,
OPTIMUM/ ALTICE USA,
GOLD COAST-LAKE
SUCCESS
ROTARY CLUB

Help us continue our 18-year legacy by becoming a sponsor!

Tier	Amount	Recognition
Platinum	\$10,000+	Large logo on robot & shirts, engraved bricks (×2), sponsor plaque, recognition at events & online
Gold	\$7,500+	Large logo, 1 engraved brick, plaque, sponsor reception recognition
Silver	\$5,000+	Medium logo, plaque, web + shirt listing
Bronze	\$2,500+	Medium logo, certificate, web + shirt listing
Patron	\$1,500+	Small logo, framed certificate, website listing
Partner	\$750+	Website logo, framed certificate
Supporter	\$500+	Name/logo on shirts and website
Friend	\$250+	Certificate of appreciation

All contributions are tax-deductible through our public school foundation. In-kind donations and mentorship welcome.