



Opelika's Greatest Robotics Engineers



Sponsorship Information 2023

Our Team

Opelika High School's Robotics team, 7072 O.G.R.E., began in 2018 as the first central Alabama school to participate in the FIRST Robotics Competition (FRC). FRC is the highest level of the FIRST (For Inspiration and Recognition of Science and Technology) organization and is composed of students in grades 9-12. Under strict rules, limited resources, and a short time frame, teams of students are challenged to raise funds, design a team "brand," hone teamwork skills, and build and program an industrial-size robot to play a difficult field game against like-minded competitors. It's as close to real-world engineering as a student can get in high school. Volunteer mentors from local industries and colleges lend their time and talents to guide each team.

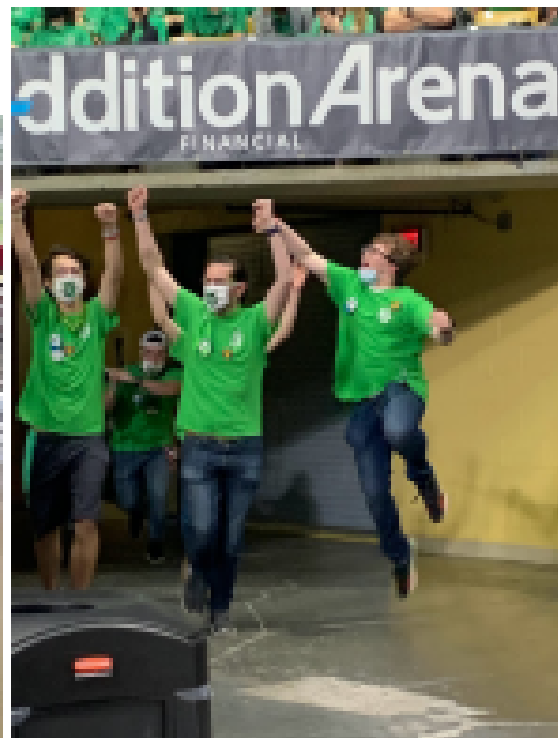
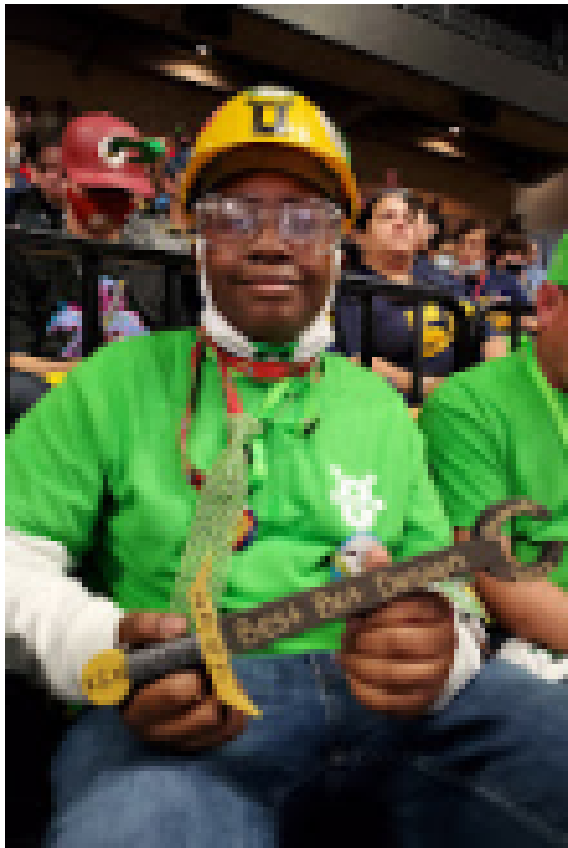
7072 -O.G.R.E. Robotics- provides opportunities for students to gain maturity, build self-confidence, learn teamwork, and gain an understanding of professionalism while enhancing their knowledge in the fields of manufacturing, mechanics, computer programming, electronics, and business/marketing.

Studies have shown the following benefits of participating in FIRST Robotics Competitions:

- ❖ 87% of participants plan to take a more challenging MATH or SCIENCE course
- ❖ Females in FIRST have a dramatically increased understanding of STEM compared to females in the comparison group
- ❖ FIRST Alumni are 2.6X more likely to enroll in an ENGINEERING course their freshman year of college
- ❖ Huge gains in Workplace skills by participants
- ❖ 76% of students reported gains in COMMUNICATION SKILLS
- ❖ 95% of students reported gains in TIME MANAGEMENT
- ❖ 93% of students reported gains in CONFLICT RESOLUTION
- ❖ 98% of students reported gains in PROBLEM-SOLVING

The 2020 season should have included our team competing at Regional Competitions in both Memphis and Huntsville but, unfortunately, the COVID-19 pandemic canceled our events less than a week before we were scheduled to travel. For the 2021 season, we competed virtually with the 2020 robot, but social distancing restrictions limited how much we could do. Our team has recently returned from the Orlando Regionals as Game Winners for the 2022 Rapid React Season. We hope to again have the opportunity with only three years of in-person competition to represent Opelika High School at the World Championship in Houston, TX. We will be traveling to Knoxville, TN and Huntsville, AL this March and April to compete in an attempt to make it back to Houston. FIRST Robotics encompasses 34 countries from around the world making up approximately 3800 active teams. Only 20-25% of those will qualify for the FRC World Championship in any given year. OGRE has achieved this goal twice in 3 years of eligibility. Your financial support and in-kind donations of supplies, services, and mentors make all of this possible for the young people of Opelika, Alabama.

FIRST Robotics is the hardest fun our students will ever have and 100% can go professional in STEM careers if they choose to. We currently have 13 OHS/OGRE alumni and every one of these young adults is currently pursuing or has achieved a STEM degree at colleges like Auburn, Alabama, UAH, SUCC, and MIT; your gifts are making a difference. Seven of these alumni who have stayed local continue to mentor our team and two are FIRST volunteers at regional and World events.



Awards and Recognitions

- ❖ Orlando Regional 2022
 - Game Champions, 56 teams competing
 - Jack Kamen Imagery Award for Robot Aesthetic Design
- ❖ 2020-2021 US DOE CubeSat Challenge Finalist
 - 94 teams applied, 5 finalists chosen
 - Successfully launched a student-designed and built CubeSat to over 94,000 feet on a weather balloon with a magnetometer to measure Earth's magnetic field.
- ❖ Greenpower USA Chambers County Grand Prix Advanced Stock race, 1st Place
- ❖ FRC World Championship 2019, Houston
- ❖ Rocket City Regional 2019, Our 2nd Year
 - Game Champions; 55 teams competing
- ❖ Palmetto Regional, Our 2nd Year
 - Semi-Finalist; 64 teams competing
- ❖ GRITS(Georgia Robotics Invitational Tournament and Showcase) Game Champions; 31 teams competing
- ❖ Rocket City Regional 2018, Our Rookie Year
 - Game Finalist (2nd place); 45 teams competing
 - Rookie Inspiration Award

2019 Rocket City
Regionals Winners



Community Involvement

- ❖ Lee County Relay for Life
- ❖ Auburn University E-day
- ❖ VEX on the Plains Volunteers
- ❖ Robotics Education and parade @ Jeter Primary School for Career Day
- ❖ Opelika Board of Education Demonstration and Recognition
- ❖ STEM club presentation @Northside Intermediate School
- ❖ Mentored Beulah High School and Opelika Middle School Robotics Teams
- ❖ Presentations/Demonstration to Lee County Leadership and Forty Under 40 Leadership Classes
- ❖ Presentation to local plant managers and CEO educational luncheon
- ❖ School-wide robotics team educational video on The Kennel, Opelika High School's weekly news program
- ❖ Visited local Elementary and Intermediate Schools to teach students more about STEM
- ❖ Regular Summer and Holiday Delivery Route for Feeding God's Children program at TUMC



Follow us on social media:



OGRE - Opelika's Greatest Robotics Engineers



ogrerobotics

These accomplishments in our first few years would not have been possible without the help of our sponsors. Thank you!

2022-2023

Novelis/Ball
Golden State Foods
Raytheon-RTX
Baxter International Foundation
Army National Guard

2021 - 2022

Auburn Electric
Baxter International
Bubba's Medicine Shop
Courtland Communities
EAMC
Gordon L. Davis, PE
J Roarke Plumbing
OCV
Pharmavite
Rock n Roll Pinball
RTX Raytheon/Pratt & Whitney
Smith T Building Supply
Taylor Made Designs
Timeless Antiques and Flea Market

2020-2021 (Virtual)

Baxter
DoD STEM
NASA

2019-2020

BEC
DoD STEM
Martin Federal Consulting
NASA
Southern Union State Community College
United Technologies
US Air Force

2018-2019

Auburn Bank
DoD STEM
Gentry & Ware Motor Company
Gordian Strategies Inc.
John Rice Realty
NASA
Rice & Parr Attorneys at Law
United Technologies

2017-2018

APR
BEC
Firing Pin
NASA
Novelis
PFM
Southern Union Community College Technical Division



Sponsorship Levels

Platinum- \$5,000 or more

The Best support you can give to our team! The greatest contribution you can give to supporting the engineers and leaders of tomorrow.

- Our team (students and mentors) will travel to a venue of your choosing and demo our robot! **
- Your logo will be displayed on our competition robot
- Your company name will be announced as part of our formal competition team name
- Your company logo will be displayed on our team t-shirt
- Plus, your logo & a link to your company website on our website + logo on pit banner + two team t-shirts + thank you letter from the team.

Gold- \$2,500-\$4,999

- Your company name will be announced as part of our formal competition team name
- Your logo will be displayed on our competition robot
- Your company logo will be displayed on our team t-shirt
- Plus, your logo & a link to your company website on our website + logo on pit banner + two team t-shirts + thank you letter from the team.

Silver- \$1,000- \$2,499

- Your logo will be displayed on our competition robot
- Your company logo will be displayed on our team t-shirt
- Plus, your logo & a link to your company website on our website + logo on pit banner + one team t-shirt + thank you letter from the team.

Bronze- \$500-\$999

- Your company logo will be displayed on our pit banner
- One team t-shirt
- Plus, your logo & link on our website + thank you letter from the team.

Friend of OGRE- Under \$500

- Starting sponsorship level earns your company recognition on our website + thank you letter from the team.

***OGRE Robotics is a school district program that does not operate for profit. Therefore, all donations are eligible for an IRS allowed tax deduction.**

****Our team can possibly travel to any venue in Alabama. For bordering states and other possibilities, please inquire with us. We are happy to work with your company, provided it is feasible for our students and mentors.**

Sponsorship Form

Thank you for taking the time to read our sponsorship packet. If you have any questions or concerns, please contact the Lead Advisor, Brenda Howell, at brenda.howell@opelikaschools.org or adrianna.padgett@opelikaschools.org

If your organization would like to assist our team financially or otherwise, please detach this form from the sponsorship packet, fill in your information, and return it to:

**ATTN: O.G.R.E. Robotics
Opelika High School
1700 Lafayette Parkway
Opelika, Alabama 36801**

Company Name: _____

Company Phone Number: _____

Company Address: _____

State: _____ Zip Code: _____

Contact Name: _____

Contact Phone Number: _____

Contact Email: _____

Chosen Sponsorship Level: _____

*Please make checks payable to Opelika High School with a note for Robotics

MENTORSHIP AND SUPPLIES

You can also support our team through mentorship as well as providing in-kind donations of shop equipment, marketing supplies, and even meals for travel or late-night work sessions. Please reach out to Brenda.howell@opelikaschools.org or adrianna.padgett@opelikaschools.org if this is a better option for you!