



EagleForce Robotics

FRC Team 2073



Pleasant Grove High School

9531 Bond Road
Elk Grove, CA 95624

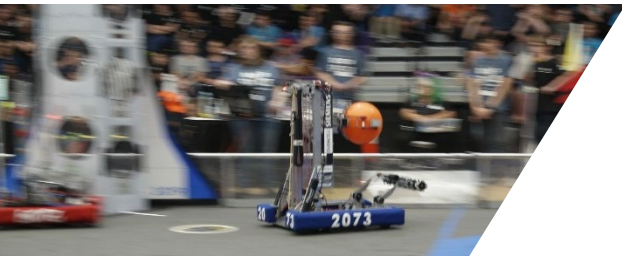
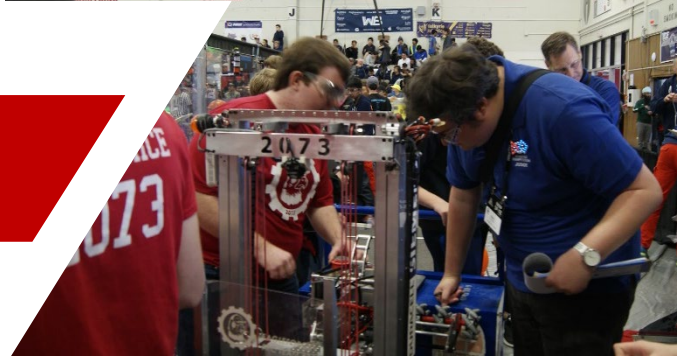
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501(c)(3) Tax ID Number: 20-8381135

About Us

EagleForce Robotics is a non-profit that serves K-12 youth within Sacramento County and the surrounding region. Based in Elk Grove, CA, we promote and provide STEM (Science, Technology, Engineering, and Mathematics) education opportunities by engaging youth in exciting hands-on programs that build technical and business skills, inspire innovation, and foster well-rounded academic, professional, and personal capabilities.



Competitive Robotics

Our students compete in the FIRST Robotics Competition (FRC), a program within FIRST, an international organization that inspires science, technology, and innovation in young people.



Our technical students:

- Design a robot using CAD (Computer-Aided Design)
- Build the robot with industrial machinery
- Program autonomous and user-controlled functions for the robot to play against other teams regionally and nationally

In parallel, our business students:

- Raise funds for the team by applying for grants and contacting sponsors
- Manage our "team brand" through media and marketing
- Conduct outreach activities to inspire STEM in local youth

Community Outreach

With the technical and business skills that our students gain from FRC, we create opportunities for youth in our Elk Grove and surrounding communities to learn about and benefit from STEM.

To maximize our impact, we partner with other teams and organizations on outreach efforts, including:

- Capital City Classic, an annual off-season competition we co-host with FRC Team 3859 Wolfpack Robotics (Elk Grove, CA) and Team 1678 Citrus Circuits (Davis, CA)
- Activities and robot demos at Girl Scouts STEM Centers, local elementary schools, and other community events
- EagleCourse Robotics Summer Camps and Winter Workshops, where we teach robotics to 4-8th grade kids using VEX IQ robots



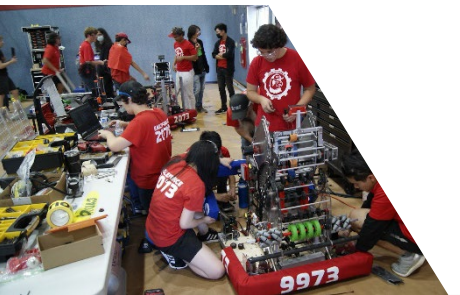


2021-2022 in Review

With school back to in-person, our team was able to have its first full season since 2019. The team competed in two regionals in 2022. At the Central Valley Regional in Fresno, CA, we won the Creativity Award which celebrates creativity that enhances strategy of play. At the Arizona Valley Regional, the team won the Engineering Inspiration Award that celebrates outstanding success in advancing respect and appreciation for engineering within a team's school or organization and community. This award is the second highest award granted at a regional, earning us a ticket to the World Championships in Houston.

Offseason 2022 Activities

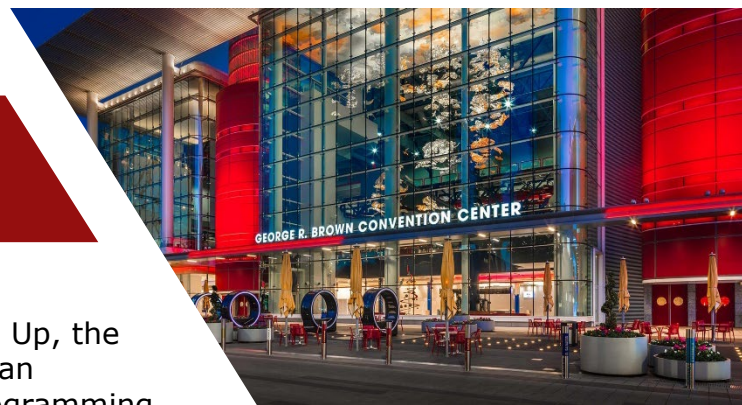
Over the summer, our team built a second robot. Working on improving our previous design, one of the biggest changes we incorporated was a swerve drivetrain for better mobility and performance.



The 2022 Capital City Classic, an off-season event that the team co-sponsors, was hosted at our school, Pleasant Grove High School. We were also able to participate at the Madtown Throwdown off-season tournament in Madera, CA in November.

Preview of 2023

On January 7th our team learned more about Charged Up, the FRC competition game for 2023. We immediately began strategizing, designing, prototyping, building, and programming a practice robot and a competition robot.



We will be competing at the following regional events this season:

- Arizona East Regional, *March 15-18, 2023 (Scottsdale, AZ)*
- Aerospace Valley Regional, *March 29-April 1, 2023 (Lancaster, CA)*

The team is working hard to qualify for:

- FIRST World Championships, *April 19-22, 2023 (Houston, TX)*



Sponsorship

Benefits

Finch (\$1 - \$499)

- Logo on website

Cardinal (\$500 - \$999)

- Small logo on team banner
- Logo on team shirt
- Logo on website

Blue Jay (\$1,000 - \$2,499)

- Medium logo on team banner
- Small logo on robot
- Logo on team shirt
- Logo on website

Hawk (\$2,500 - \$4,999)

- Large logo on team banner
- Small logo on robot
- Logo on team shirt
- Logo on website

Falcon (\$5,000 - \$9,999)

- Presentation of team robot
- Large logo on team banner
- Medium logo on robot
- Logo on team shirt
- Logo on website

Eagle (\$10,000+)

- Logo on website homepage
- Presentation of team robot
- Large logo on team banner
- Large logo on robot
- Logo on team shirt
- Logo on website