



EagleForce Robotics

FRC Team 2073



Pleasant Grove High School

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About Us

EagleForce Robotics is a non-profit that serves K-12 youth within the region of Sacramento County. Based in Elk Grove, CA, we promote and provide STEAM (Science, Technology, Engineering, Art, 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 managed by 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 to grants and contacting sponsors
- Manage our "team brand" through media and marketing
- Facilitate outreach activities to inspire STEAM in our youth

Community Outreach

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

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 and local elementary schools and events
- EagleCourse Robotics Summer Camps and Winter Workshops, where we teach robotics to 4-8th grade kids using VEX IQ robots





2020-2021 in Review

Despite the pandemic conditions that limited our operations, our team was able to participate in FIRST's At Home challenges which consisted of driving, shooting, and autonomous driving. In February of 2021, we also hosted our first Winter Workshops, which were a virtual format of our EagleCourse Robotics Summer Camps.

Fall 2021 Activities

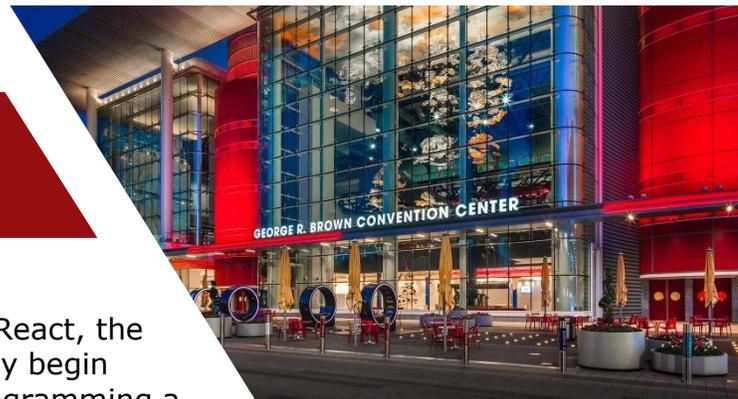
When school came back in-person, we were able to significantly grow our team to more than twice the size of our prior years. We created a formal training curriculum to more efficiently onboard and train our new team members.



The Capital City Classic off-season event that Team 2073 co-sponsors was unfortunately cancelled due to school district restrictions. We were able to participate at the Madtown Throwdown off-season event in November, where we placed 5th out of 25 robots. The 2022 Season is approaching soon, and our team is gearing up for the competition!

Preview of 2022

On January 8th our team will learn more about Rapid React, the FRC competition game for 2022, and then immediately begin strategizing, designing, prototyping, building, and programming a competition robot and a practice robot. Our business students will also ramp up our outreach efforts in the Elk Grove Community as the local restrictions (hopefully) relax over the next few months.



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

- Arizona Valley Regional, *March 18-20, 2022 (Scottsdale, AZ)*
- Central Valley Regional, *April 1-3, 2022 (Fresno, CA)*
- FIRST World Championships, *April 21-24, 2022 (Houston, TX)*



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Sponsorship

Benefits

Finch (\$1 - \$499)

- Logo on website

- Logo on team shirt
- Logo on team flyers, brochures, etc.

Cardinal (\$500 - \$999)

- Logo on website

- Small logo on team robot
- Logo on team shirt
- Logo on team flyers, brochures, etc.

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

- Logo on website

- Logo on team banner
- Small logo on team robot
- Logo on team shirt
- Logo on team flyers, brochures, etc.

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

- Logo on website

- Presentation of team robot
- Logo on team banner
- Medium logo on team robot
- Logo on team shirt
- Logo on team flyers, brochures, etc.

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

- Logo on website

- Logo on website homepage
- Presentation of team robot
- Logo on team banner
- Large logo on team robot
- Logo on team shirt
- Logo on team flyers, brochures, etc.

Eagle (\$10,000+)

- Logo on website