

POWER HAWKS
• ROBOTICS •

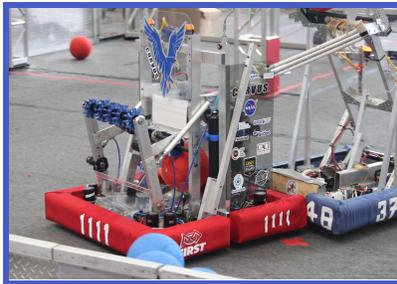
2022-2023
Sponsorship Packet

Just follow these steps to get started...

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Step 1: Learn About Our Team

2022

William Walker, Chief Executive Officer, FRC

Ronny Ashley, Head Mentor, FRC

Michael Toepper, Teacher Advisor

Dear Prospective Sponsor,

We are the Power Hawks, an organization of high school aged students dedicated to spreading STEM (Science, Technology, Engineering, and Math) values across the state and beyond. We are part of *FIRST*® (For Inspiration and Recognition of Science and Technology), an international organization whose goal is to promote an interest in engineering and technology in students. Within this program, the Power Hawks participate in robotics competitions and support our mission of equipping the next generation with the necessary skills to improve the world through competitive robotics.

In addition to building robots, the Power Hawks utilize our impactful spirit. The Power Hawks initiated the creation of four *FIRST* Robotics Competition (FRC) teams, three *FIRST* Tech Challenge (FTC) teams, nine *FIRST* Lego League (FLL) teams, and fifteen *FIRST* Lego League Jr. (FLL Jr.) teams over our 20 years of being registered with *FIRST*. Our team members have tutored at our local middle school, the Boys and Girls Club of Annapolis, and multiple Anne Arundel County elementary schools including Central Special.

The Power Hawks host annual robotics summer camps and continuously strive to spread STEM education throughout the community. The Power Hawks achieve the spread of STEM through the use of our Soaring Engineers program—a set of hands-on lesson plans that teach students STEM principles in the classroom—and the mentoring of our 15 middle and elementary school teams. Although COVID-19 has made it difficult, we are constantly expanding the scope of these programs, with additional focus on female, special needs and LGBTQ+ involvement, promoting equal representation in STEM and robotics.

The Power Hawks are only able to support these teams and programs with the support of our dedicated sponsors and mentors. Due to sizable capital and material costs, our team spends over \$35,000 a year to design, build, and field competitive robots. Over 40 Power Hawks, along with the thousands of students whose lives they touch, rely on the support that you can provide through materials, mentoring, or financial assistance.

Please contact us at sponsorship@powerhawks.org if you are interested in sponsoring our amazing program or if you have any questions. Thank you for your time and consideration.

Best Regards,

William Walker

Team Mission

The Power Hawks' mission is to equip the next generation with the necessary skills to improve the world through competitive robotics.

Team Vision

The Power Hawk's vision is for Maryland to be a state of forward thinking, global citizens.

Team Principles

Our members strive to uphold the following codes of behavior and principles in all of our endeavors.

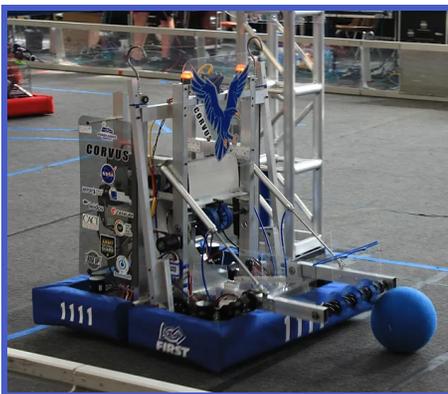


FRC® (*FIRST*® Robotics Competition)



FIRST® Robotics Competition (FRC) is the ultimate sport for the mind. Our FRC team, the Power Hawks, students in grades 9-12 call participation in *FIRST*, “The hardest fun you’ll ever have.” Under strict rules, limited time and resources, students are challenged to raise funds, design a team brand, hone teamwork skills, and build and program industrial-size robots to play a difficult field game against like-minded competitors. It’s as close to real-world engineering as a student can get. Professional mentors volunteer their time and talents to guide the team. Each season ends with an exciting *FIRST* championship.

Meet the Robot!



As part of the *FIRST*® Forward initiative, the FRC 2022 competition has two alliances (composed of three teams each) attempting to retrieve and process cargo for transportation. To complete our robot, “Corvus,” we incorporated both a processing system, but also a hanger movement system. Our shooting system was powered by two strong NEO motors, accompanied by more to index game pieces and our reciprocating hood alike to accurately process cargo. Corvus was made to move fast with its expertly calibrated swerve drive train.

We have appeared in the following outlets...



Demos and Community Events

- STEM National Advocacy Conference
- STEM Maryland Advocacy Conference
- Explore at NASA Goddard 60th Anniversary open house
- Apollo 50th Anniversary National Mall
- USA Science and Engineering Expo
- International Watch the Moon Night at the Goddard Space Flight Center
- Escape Velocity Expo
- Arundel Mills Mall Family STEM Night
- Local Elementary School's STEM Nights and Expos
- *FIRST*® Robotics Competition Qualifier Event
- *FIRST* Lego League Qualification Event
- *FIRST* Lego League JR Expo
- Relay for Life

Accomplishments and Awards

2022

- Event Winners at CHS District Greater DC Event #1 Day #2
- District Chairman's Award at CHS District Greater DC Event #1 Day #2
- Event Winners at CHS District Greater DC Event #2 Day #2
- Autonomous Award sponsored by Ford at CHS District Greater DC Event #2 Day #2
- *FIRST*® Chesapeake District Championship
- *FIRST* Championship - Houston - Hopper Subdivision

2021

- Engineering Inspiration Award at the Battle O' Baltimore

2020

- Chairman's Award at the CHS District Haymarket VA Event

2019

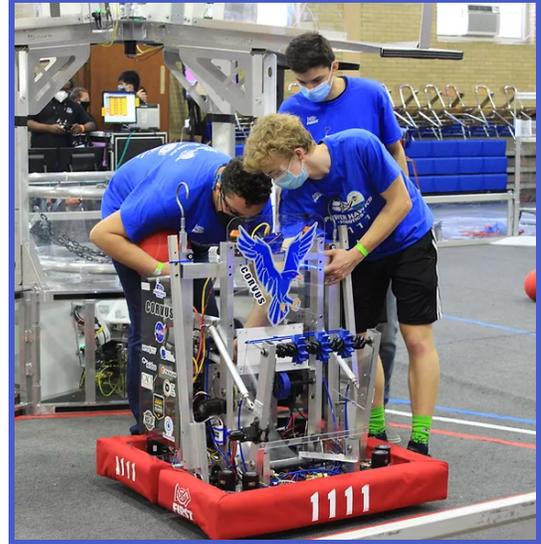
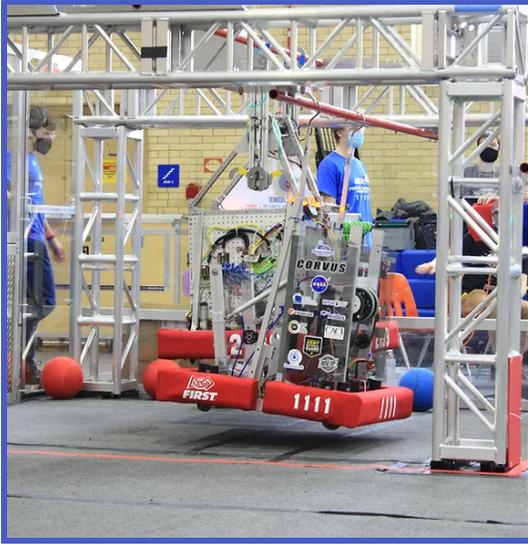
- Autonomous Award sponsored by Ford at the CHS District Bethesda MD Event sponsored by Bechtel
- District Chairman's Award at CHS District Owing Mills MD Event sponsored by LEIDOS
- Team Spirit Award sponsored by FCA Foundation at *FIRST* Chesapeake District Championship

2018

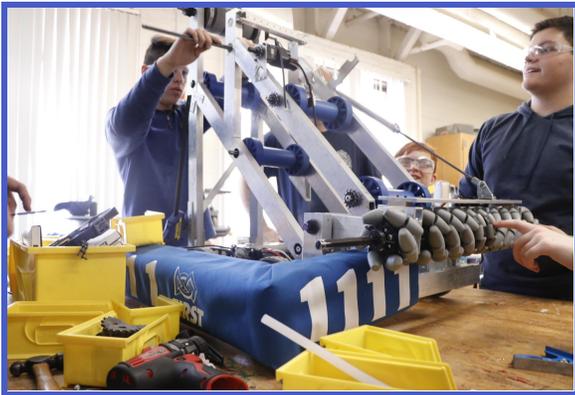
- Team Spirit Award sponsored by FCA Foundation at CHS District Greater DC Event co-sponsored by Micron
- District Engineering Inspiration Award at CHS District Southern Maryland Event
- *FIRST* Chesapeake District Championship

2017

- District Engineering Inspiration Award at CHS District Greater DC Event sponsored by Accenture
- District Chairman's Award and District Event Winner at CHS District Northern Maryland Event
- Team Spirit Award sponsored by FCA Foundation at *FIRST* Chesapeake District Championship sponsored by Booz Allen Hamilton
- *FIRST* Championship - St. Louis - Archimedes Subdivision



What people are saying about our program



"*FIRST*® Robotics has changed my life by giving me the skills to lead, and the confidence to try things I never would have done before. I will see the results of my participation in *FIRST* for the rest of my life, and I'm grateful to everyone who has helped me in *FIRST*."

- Clay N, FRC

"Our son has gained so much more than just programming or robotics knowledge from his participation in Power Hawks Robotics. He's learned about teamwork, community service, business planning, strategy, website design, time management and technology careers in a wonderfully supportive and diverse community. Amazing!"

- Ms. Christine Jackson, Parent



Step 2: Choose Your Sponsorship Level

Mentorship and Supplies

You can support our team through mentorship, material donations or financial sponsorship.

Copper Level (\$1-\$249)

- Letter of appreciation

Brass Level (\$250)

- Copper level +
- Logo on our website

Bronze Level (\$500)

- Brass level +
- Your company logo on our t-shirt
- Retail sponsors get a “Power Hawks Day”

Silver Level (\$1,000)

- Bronze level +
- Framed team photo
- Small logo on robot
- Small logo on our pit

Gold Level (\$4,000)

- Silver level +
- Your logo on our trailer
- Large logo on our robot
- Large logo on our pit



Titanium Level (\$7,000)

- Gold Level +
- Robot demo at your company function
- Plaque of appreciation

Platinum Level (\$10,000)

- Titanium level +
- You get one trophy for every award won at an official competition to display at your company

	Platinum	Titanium	Gold	Silver	Bronze	Brass	Copper
Letter of appreciation	✓	✓	✓	✓	✓	✓	✓
Your company logo on website	✓	✓	✓	✓	✓	✓	
Your company logo on t-shirt	✓	✓	✓	✓	✓		
Team T-shirt	✓	✓	✓	✓	✓		
Small logo on robot and Pit				✓			
Framed team photo	✓	✓	✓	✓			
Your company logo on our trailer	✓	✓	✓				
Large logo on robot and Pit	✓	✓	✓				
Plaque of Appreciation	✓	✓					
Robot demo at company function	✓	✓					
You get one trophy for every award won at an official competition	✓						

Step 3: Complete the Sponsorship Form

We'd like to thank you for taking the time to read our sponsorship packet! If you have any questions or concerns, please feel free to contact us at sponsorship@powerhawks.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:

Power Hawks Robotics
P.O Box 1851
Edgewater, MD 21037

Company Name: _____

Company Phone Number: _____

Company Address: _____

State: _____ Zip Code: _____

Contact Name: _____

Contact Phone Number: _____

Contact Email Address: _____

My Organization would like to become a:

- Platinum Sponsor (\$10,000)
- Titanium Sponsor (\$7,000)
- Gold Sponsor (\$4,000)
- Silver Sponsor (\$1,000)
- Bronze Sponsor (\$500)
- Brass Sponsor (\$250)
- Copper Sponsor (\$50)
- Other _____

Our Company would also like to help by providing:

- A mentor for the team
- Parts/Supplies
- Other
Services: _____

If providing parts/supplies or other, please specify:

Please enclose and make checks payable to
South River High School

Account 613.00.700 in memo