

# SUPERNOVA



## Sponsor Packet



Website:  
[4472supernova.org](http://4472supernova.org)



X (Twitter):  
[@SuperNOVAFRC](https://twitter.com/SuperNOVAFRC)



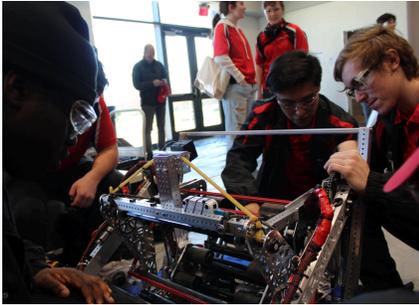
Email:  
[frcsupernova4472@gmail.com](mailto:frcsupernova4472@gmail.com)



Instagram:  
[@supernova4472frc](https://www.instagram.com/supernova4472frc)

# ABOUT OUR TEAM

SuperNOVA is a Prince William County FIRST Robotics Competition team. It led by high school students with the guidance of mentors and alumni. Not only do students gain valuable knowledge in the field of robotics, but they also develop their skills in communication, teamwork, and problem-solving.



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## Students on SuperNOVA...

- learn how to communicate professionally among their peers
- practice problem solving skills
- improve their critical thinking skills
- collaborate with their teammates
- network with STEM companies
- apply engineering principles outside of the classroom



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## Alumni

We have had students on our team move on to many prestigious colleges and universities such as VT, UPenn, UVA, UMich, Notre Dame, Stanford, and Longwood. We have also had students work at Lockheed Martin, BAE Systems, and other STEM related businesses.

# MISSION AND VISION

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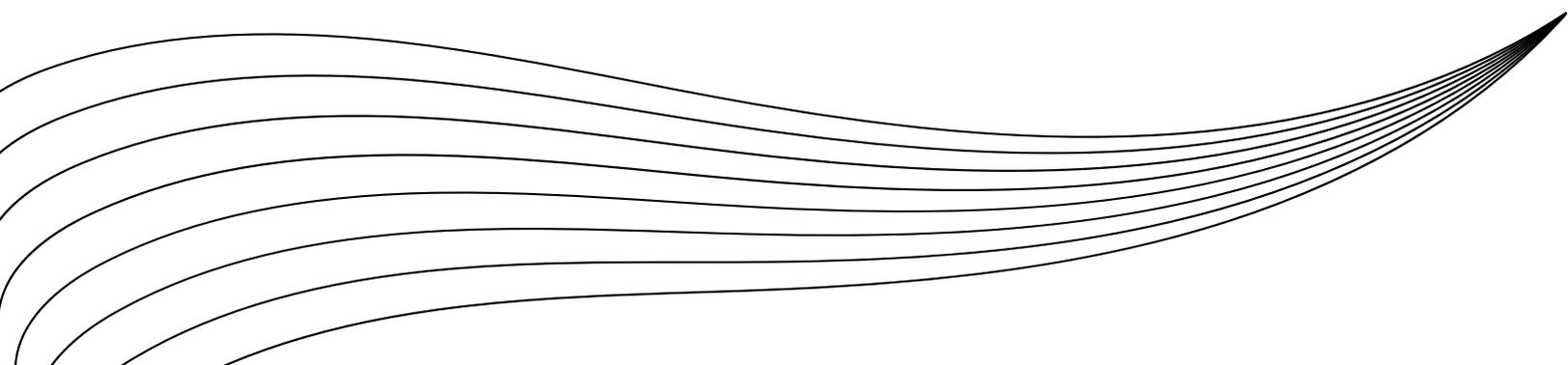
## Mission

SuperNOVA believes all students should be able to participate in STEM related activities, so we accept all Prince William County high school students to join our team whether or not they have previous experience or knowledge. We provide students with hands-on experience in mechanics, electronics, software, networking, and most importantly, teamwork. Students on SuperNOVA have the opportunity most other teams do not: the ability to collaborate with students from different high schools in the county.

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## Vision

SuperNOVA plans to actively broaden participation by reaching out to students from various backgrounds, including those who may not have had prior exposure to robotics due to socioeconomic, geographic, or educational barriers. Through targeted outreach, partnerships with schools and community organizations, and mentorship programs, SuperNOVA aims to ensure that every student, regardless of their background or experience, has the opportunity to engage with robotics, develop their skills, and contribute meaningfully to the team's projects. By increasing our team's diversity, we aspire to not only strengthen our capabilities but also inspire the next generation of leaders in STEM fields.



# HISTORY AND ACHIEVEMENTS

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## History

SuperNOVA is a First Robotics Competition team led by high school students from various Prince William County Schools. We first formed in 2013, but disbanded and formed again in 2016. Our base school is Woodbridge Sr. High School where we have been for the past 10 years.

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## Achievements

2013

- Rookie All-Star Award
- Highest Rookie Seed

2016:

- Industrial Design Award

2017:

- District Event Winner

2018:

- Creativity Award
- Quality Award
- 2x District Event Winner

2019

- Safety Award
- Entrepreneurship Award
- 2x District Event Finalist

2020

- Industrial Design Award
- District Event Winner

2022

- Quality Award
- 2x District Event Winner

2023

- Industrial Design Award
- Innovation in Control Award
- District Event Finalist

2024

- Innovation in Control Award

2025

- Gracious Professionalism Award
- Sustainability Award



# MARKETING AND FINANCIALS

## Marketing:

At SuperNOVA we work endlessly to get our voice out to local corporations and schools, especially as our county continues to grow. We perform live demonstrations for companies, to show what we do here at SuperNOVA. At local VEX Robotics competitions, we set up booths to draw interest to recruit current and future high schoolers to the team and find potential sponsors. Additionally, members have mentored middle school robotics teams for the past 10 years. We also contact VEX Robotics coaches and Project Lead The Way instructors to spread the word about SuperNOVA.

## Financials:

FIRST Robotics teams are essentially small startup organizations. We must constantly generate funds to support the rapid development of our bot as well as associated expenses, such as registration and travel. We currently have an operating budget of \$18,800 funded by sponsors, team dues, and fundraising events. SuperNOVA is currently sponsored by Prince William County Schools, Lockheed Martin, BAE Systems, and the Maurer family. We maintain positive relations through communication, sending sponsors frequent updates and thanks throughout the season. Our 2025 dues are \$100 for returning members, and \$180 for new members. This helps offset the cost of apparel, travel, and materials.

Besides fundraising and sponsors, we regularly find ways to decrease our budget, including:

**Parent Volunteers:** Our amazing parents donate snacks every weekend, allowing us to save money.

**Reusing Apparel:** Only new members need to buy team polos, reducing cost each year.

**Using Old Tools:** Taking care of the tools we buy or are given decreases the need to purchase more.

# FINANCIAL STATEMENT

## Income

### Major Sponsors

Prince William County Schools SPARK	\$5000
Maurers Family (Student Family)	\$2000
BAE Systems	\$1500
Lockheed Martin	\$1500

### Other

Team Dues (\$100 per student)	\$2800
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## Expenses

### Event Registration

FIRST Registration	\$1000
2 District Events	\$6000
District Championship	\$4000

### Tools/Equipment/Supplies

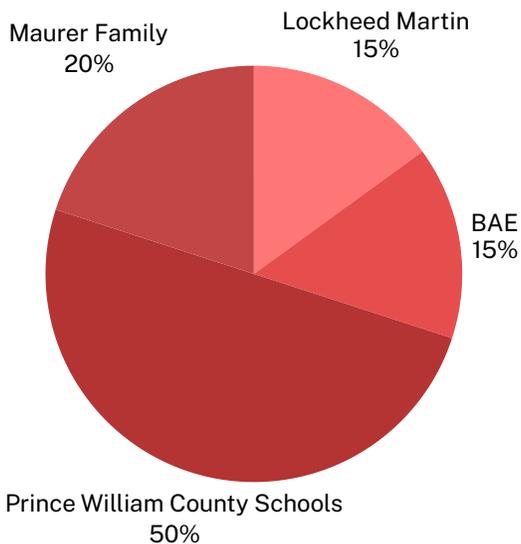
Aluminum	\$1500
Electronice/Wire	\$700
Hardware	\$2500
Lexan	\$500
Motors/Motor Controllers	\$2200
Bumper materials	\$100
CNC Parts	\$400
Game Elements	\$200

### Transportation

Student Transport	\$2000
Robot Transport	\$200
World's Transportation Cost	\$15000

### Other

Team Apparel	\$1200
Website	\$100



**Total Projected Income: \$18,800**

**Total Projected Cost: \$37,600**

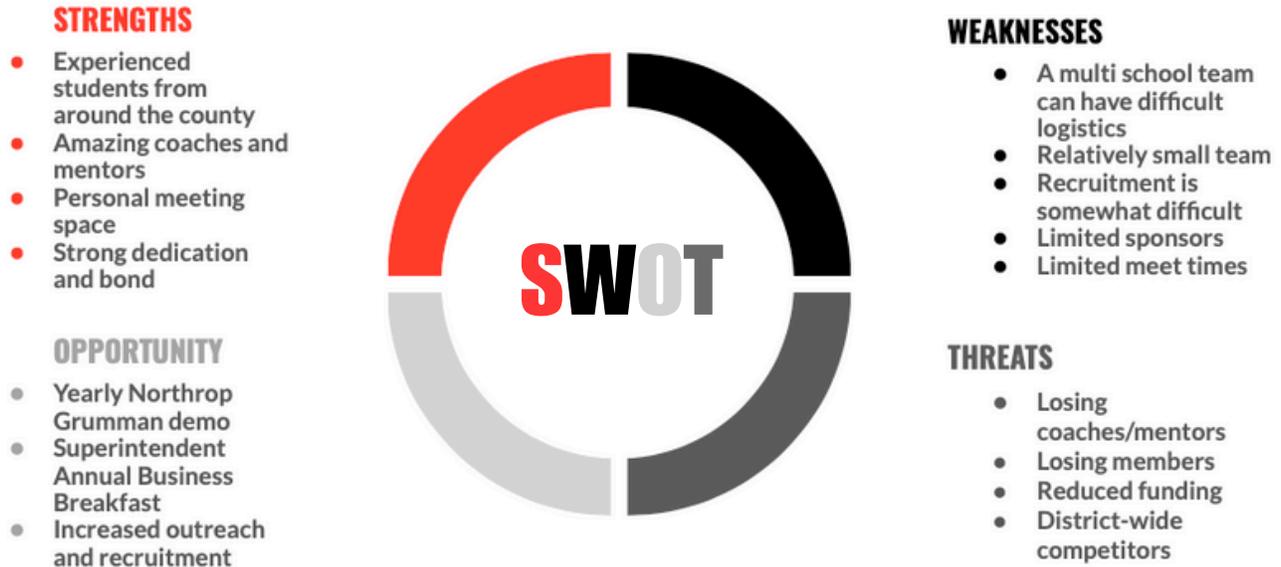


# RISK ANALYSIS

Risk	Likelihood	Impact	Score Likelihood x Impact	Prevention	Action Plan
Weather related cancellations of practices/ competitions.	2	3	6	There is no way to prevent these but an effective plan can minimize the impact on the team.	There will be strong communication to make up for lost time and ensure all members are notified.
A student, mentor, or bystander is injured while working with machines.	2	3	6	Students are taught to properly and safely use machines. All persons will have safety goggles on while in the workshop.	Many of our members and mentors are First Aid/CPR certified. Our Safety Team will record injuries.
Loss of a major sponsor, possibly losing necessary funding.	2	3	6	All our sponsors are credited by being represented on our robot and banner. We send frequent updates to our sponsors to secure funding.	We will continue to search for sponsors and plan fundraisers. We also conserve and spend our resources carefully and find ways to reuse equipment and material.
Inability to book/issues with transportation/ lodging.	1	3	3	Booking transportation and lodging will be done with plenty of time to spare.	Alternative methods will be set in advance and are communicated to the team and parents.
Our robot is damaged in a competition.	2	1	2	We ensure proper testing prior to competition to minimize the chance of damage.	We bring sufficient tools and spare parts to repair the robot quickly.
Students and/or mentors do not get along or work together.	1	2	2	Strong communication and professional attitudes on the team will mitigate the risk.	The persons in disagreement will talk it out with a mentor to mediate if needed.
Drivers unable to drive during a competition.	1	1	1	We create alternate drivers by allowing other members to have practice driving our robot.	Alternate drivers will be called up as needed to take their place.

# SWOT ANALYSIS

This planning technique is a compilation of our strengths, weaknesses, opportunities, and threats used to develop a full awareness of all factors involved in making decisions.



- **Strengths:** Experienced members mentor newcomers, reinforcing their skills and communication. Our diverse team, drawing from multiple schools, brings unique perspectives. Dedicated coaches and mentors invest significant time to enhance our engineering abilities. Despite different backgrounds, our shared passion for robotics unites us.
- **Weaknesses:** Our meeting space at Woodbridge High is far for some members, but it's the only viable option with necessary tools and availability. With 30+ members, everyone has a role, but progress can be slow. Limited meetings (2-3 times a week) reduce productivity.
- **Opportunities:** Our strong connections in Prince William County aid sponsorships, fundraising, and outreach. Community ties help us expand our reach and impact. Being a county-wide team allows us to be more diverse than school-based teams.
- **Threats:** Currently, Prince William County funds and supports three FRC teams, but as the county grows, more teams may be added and funds directed to the new teams. This would significantly reduce our resources, making it harder to maintain our team.

# SPONSORSHIP LEVELS

## Galactic Sponsor

\$4000+

- Sponsor logo prominently displayed on the robot
  - Sponsorship promoted on team social media (Instagram)
  - Presentation, demonstration or team update upon request
  - Sponsor logo displayed on the sponsorship banner in the team pit area
  - Sponsor logo and website link placed on SuperNOVA website
  - Sponsor receives thank you plaque, two team t-shirts and thank you letter from the team
  - Sponsor will receive updates during the season
- 

## Cosmic Sponsor

\$2000-\$4000

- Sponsor logo displayed on the robot
  - Sponsorship promoted on team social media (Instagram)
  - Presentation, demonstration or team update upon request
  - Sponsor logo displayed on the sponsorship banner in the team pit area
  - Sponsor logo and website link placed on SuperNOVA website
  - Sponsor receives thank you plaque, two team t-shirts and thank you letter from the team
  - Sponsor will receive updates during the season
- 

## Lunar Sponsor

\$1000-\$2000

- Sponsor logo displayed on the robot
  - Sponsor logo displayed on the sponsorship banner in the team pit area
  - Sponsor logo and website link placed on SuperNOVA website
  - Sponsor receives thank you plaque, two team t-shirts and thank you letter from the team
  - Sponsor will receive updates during the season
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## Planetary Sponsor

\$100-\$1000

- Sponsor logo and website link placed on SuperNOVA website
- Sponsor receives one team t-shirt and thank you letter from the team
- Sponsor will receive updates during the season





**Valyn Johnston**  
Business Lead  
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**Becky Maurer**  
Business Mentor  
[maurerbl@pwcs.edu](mailto:maurerbl@pwcs.edu)

**Kevin Maurer**  
Head Coach  
[maurerkd@gmail.com](mailto:maurerkd@gmail.com)

## Other Ways You Can Help

Since your donations are going towards a robotics team, you can also donate:

- sheet metal (aluminum or steel)
- tools (power and manual)
- 2x4s
- screws, bearings, nuts, spacers, etc.
- market graphics (supply of signage, trailer lettering, print material, banners)

Please feel free to email us for any questions about donations.

**Website**  
[4472supernova.org](http://4472supernova.org)

**Instagram**  
[@supernova4472frc](https://www.instagram.com/supernova4472frc)

Team 4472 is 501(c)(3) nonprofit organization. We appreciate both in-kind and in-cash donations. A W-9 form can be provided on request. Our tax ID is 54-6001533. Checks can be made payable to Woodbridge Sr. High School with "4472 SuperNOVA" on the memo line. All donations are tax deductible.

Woodbridge Senior High School, 3001 Old Bridge Rd, Woodbridge, VA 22192



THANK YOU  
FOR YOUR  
SUPPORT



# SuperNOVA Sponsorship Information

Business Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: \_\_\_\_\_ Email: \_\_\_\_\_

Business Website: \_\_\_\_\_

Please make checks payable to: Woodbridge High School  
Please include on the memo line: 4472 SuperNOVA  
Present checks to your team contact, or mail to: Woodbridge High School  
Attn: SuperNOVA Robotics Team  
3001 Old Bridge Road  
Woodbridge, VA 22193

Thank you for your support!

Team Contact: \_\_\_\_\_

Amount Donated: \$ \_\_\_\_\_ Check # \_\_\_\_\_ Cash \_\_\_\_\_

Federal EIN: 54-6001533

For more information about SuperNOVA: <http://www.4472supernova.org>

For more information about the FIRST Robotics Program visit:

<http://www.firstinspires.org>

Thank you for your time and consideration of your support of SuperNOVA!  
Your support is greatly appreciated!