



FORGE

9404

# 9404 FORGE

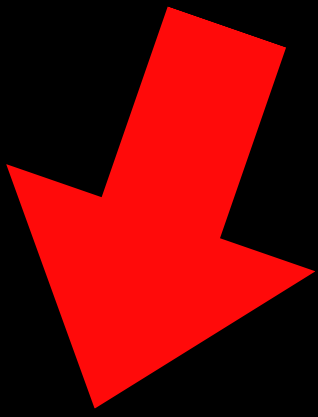


***FIRST* Team 9404, FORGE, was newly founded in the fall of 2023 by two young ladies with a passion for robotics and for sharing STEM knowledge. Our journey started when our founders came together in one of their garages to bring robotics to the Pembroke Pines community as the only community based team in Broward County, Florida. The current team is comprised of 13 students from 9 different schools. Aside from being founded by two young ladies, combined we have done over 500 hours of outreach through various events we have volunteered at this season!**

# TEAM STRUCTURE

ALEXIS

KRISTEN



MECHANICAL

BUSINESS

ELECTRICAL

CAD

MEDIA

CODING

STRATEGY

**Co-captains and co-founders Kristen and Alexis are in charge of the various subteams. We encourage everyone to explore every subteam without being confined to one specific area.**



## FTC AND FLL VOLUNTEERING

As a team we have over 500 hours of outreach! We volunteered at every FTC event this season in our league as well as we have helped judge and assist both FLL and FTC teams.



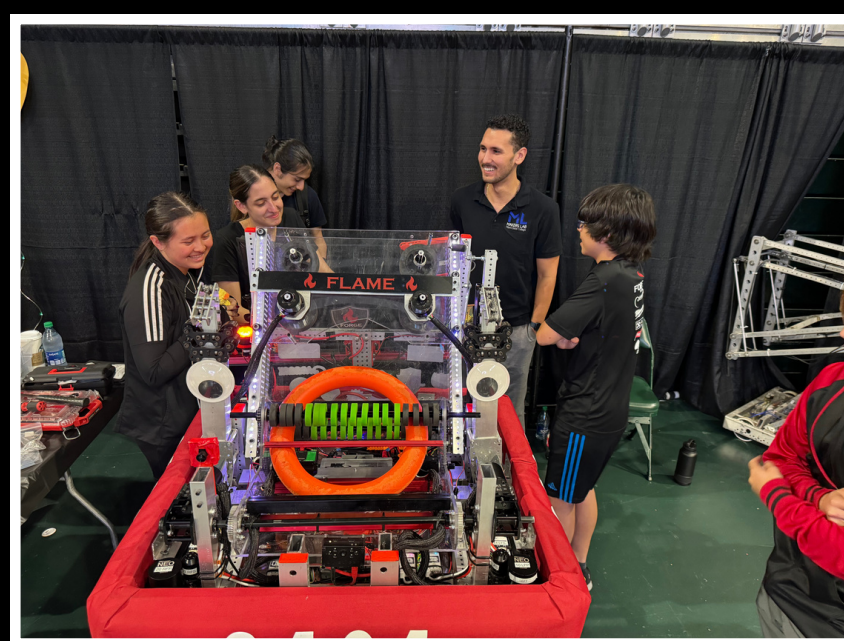
Over 500 outreach hours and an average of 40 hours per person!

## MAKER'S FAIRE

Represented *FIRST* Maker's Faire in Miami where we were able to explain what *FIRST* is and the different programs. As well as demonstrate with our robot, Flame.

## MOTOROLA TAKE YOUR CHILD TO WORK DAY

Demonstrated our FRC robot Flame, for Motorola employees children. We explained our Crescendo robot to them and what *FIRST* is and has to offer.





## PLANTATION FARMERS MARKET

We had the opportunity to attend the Plantation Farmers Market. Here we were able to interact with the local Plantation community, and inspire some young students to join a local FLL team, while also demonstrating our robot. In addition, we informed the community regarding the different FIRST level and the impact FIRST has.



## HELPING FTC WESTWOOD PANTHERS

At one of the FTC events we volunteered at one of our team members, Aiden noticed his former teacher's FTC team that needed assistance with their robot. He began going to the FUN League to assist them with any challenges they were having during the season.



## SPANISH LAKE ELEMENTARY TRUNK OR TREAT

We had the opportunity to demonstrate our robot at the Spanish Lake Elementary Trunk or Treat. We interacted with 800 students and siblings from the school and explained the capabilities of our robot and spread what FIRST is to the local Hialeah community.



# OUTREACH

FORGE  
9404



## MENTORING AND HELPING START BELEN FRC TEAM

At the Makers Faire in Miami, we talked to FTC students from Belen Jesuit High School and were able to convince them to start their own FRC team at their school. We held training sessions with them about FIRST and what to expect, and are checking in on them on a daily basis.



## HELPING OUT A FELLOW FRC TEAM

We were contacted by a fellow FRC team Farenheit Robotics regarding how to use swerve, as it was their first season using Swerve. We coordinated a meeting on Google Meet with them and were able to give them information regarding what to look out for when using Swerve and answered any questions they might have had.



## STARTING AN FLL TEAM AT PINES MIDDLE

One of our team members, Elise started an FLL team at Pines Middle School. She goes multiple times a week to help them with their innovation project, as well as assist them with their robot. At the FLL Qualifier they attended they advanced to the Regional Championship.



## STEM DAY AT DANIA ELEMENTARY

We demonstrated our robot to elementary school students from Dania Elementary on their STEM day. We were able to show them our robot Flame, as well as informed them of what FIRST has to offer.



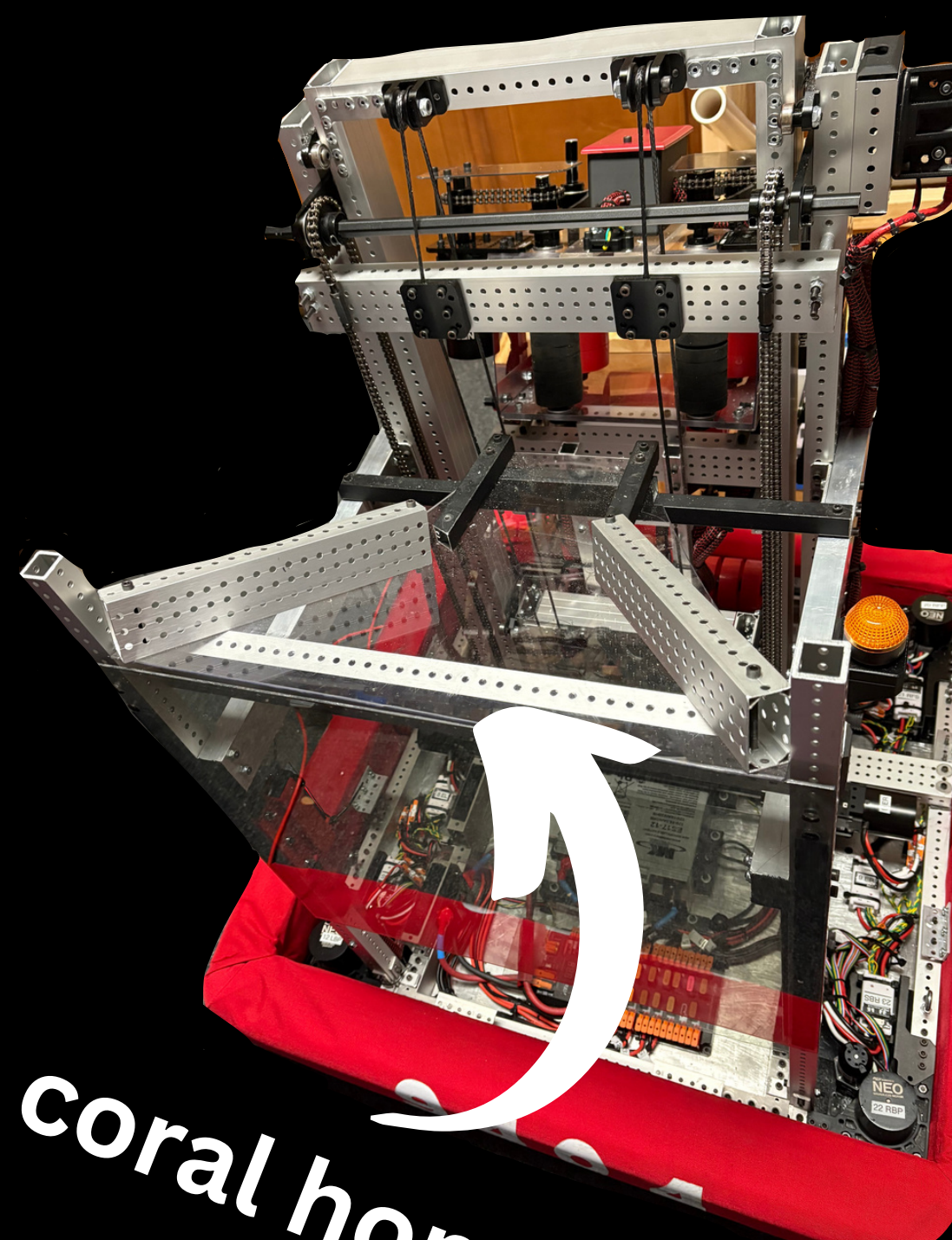
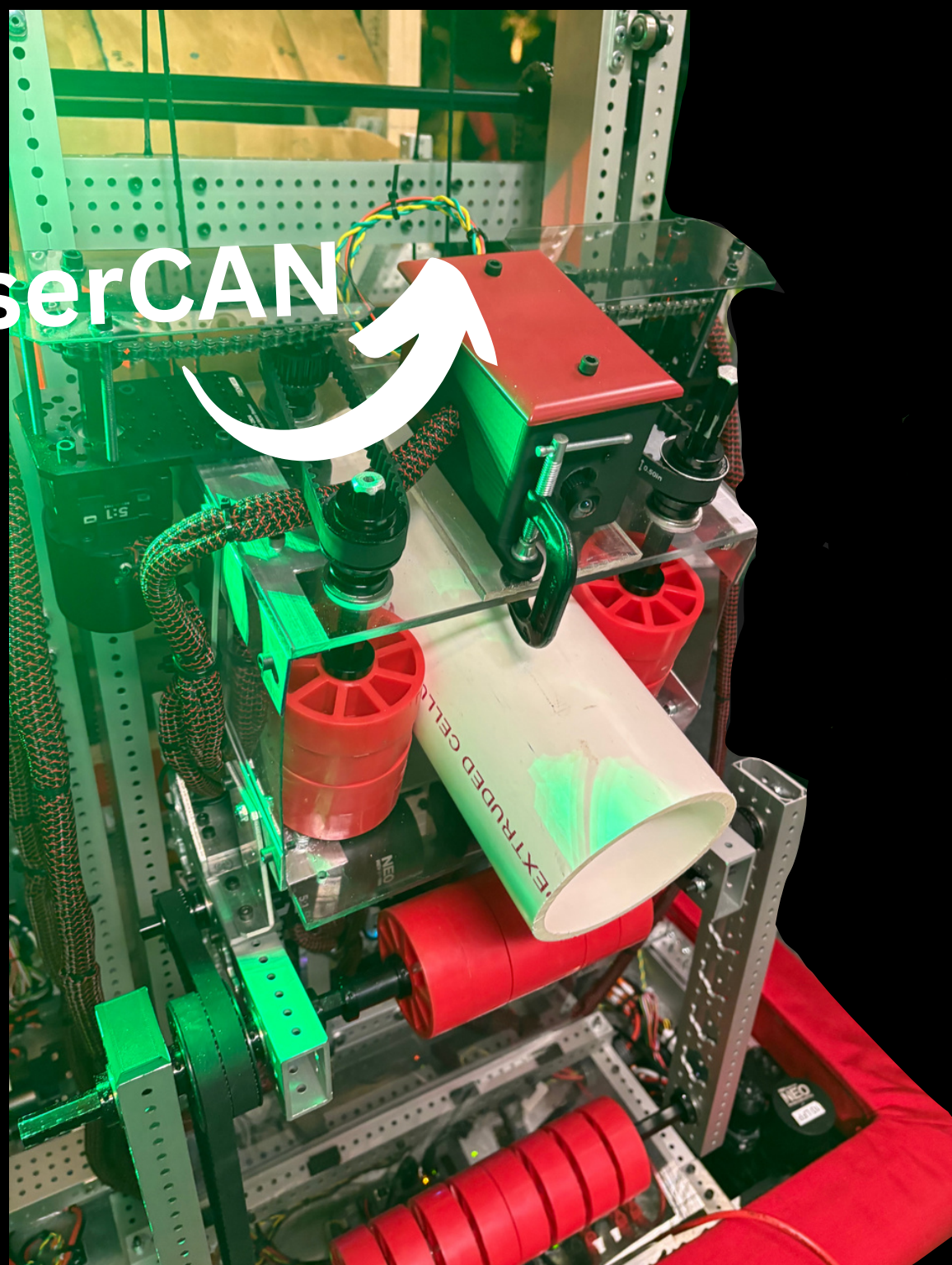
# IGNITE



FORGE

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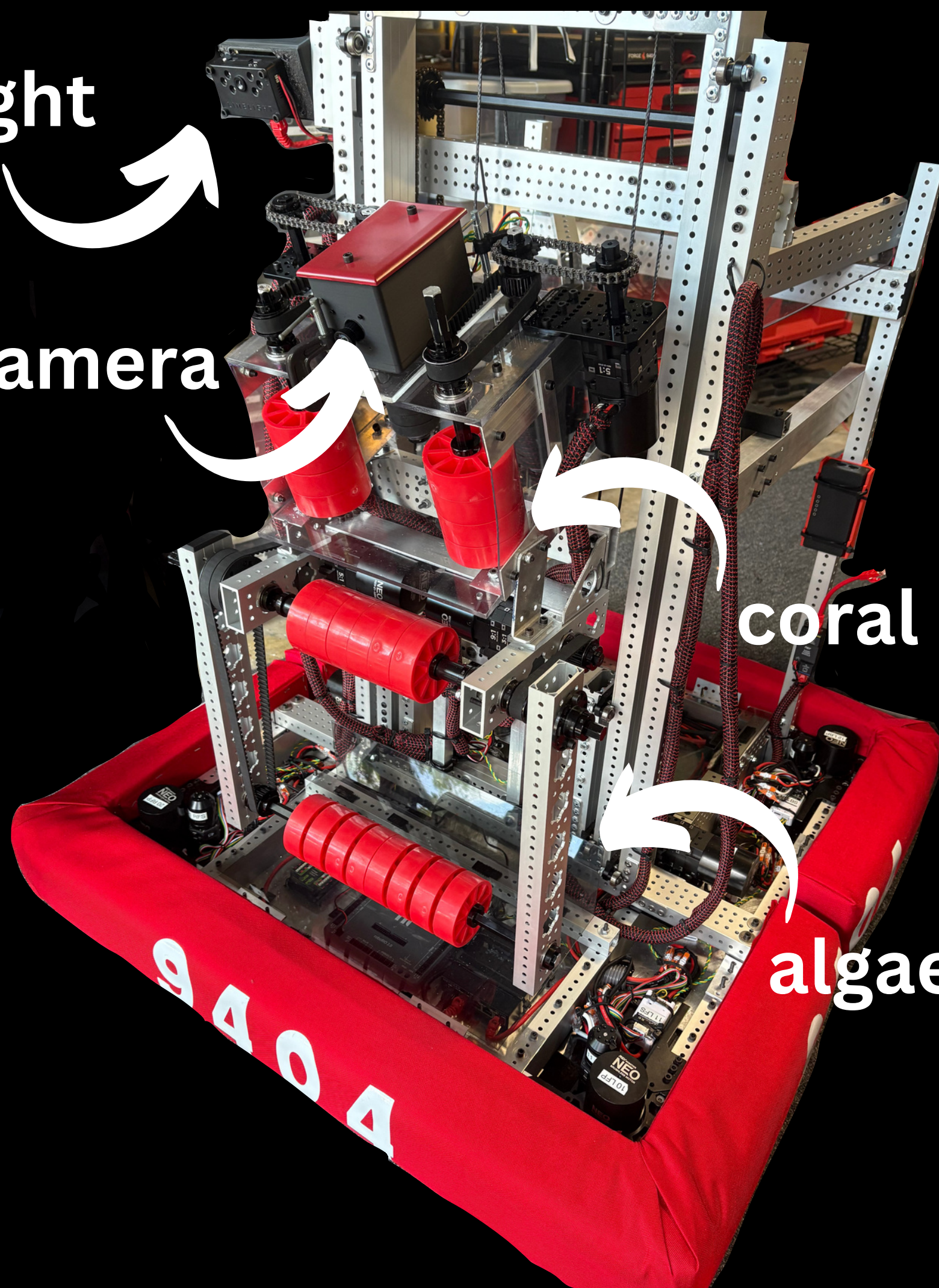
LaserCAN



coral hopper

limelight

fisheye camera



coral intake

algae intake

# BUSINESS

| Sponsorship Package/<br>Benefits        | Chisel<br>(\$100 and<br>below) | Hammer<br>(\$250-\$499) | Anvil<br>(\$500-\$999) | Welder<br>(\$1,000-<br>\$2,499) | Blacksmith<br>(\$2,500-<br>\$4,999) | Forge Guild<br>(\$5,000+) |
|-----------------------------------------|--------------------------------|-------------------------|------------------------|---------------------------------|-------------------------------------|---------------------------|
| Website Mention                         | ✓                              | ✓                       | ✓                      | ✓                               | ✓                                   | ✓                         |
| Social Media                            |                                | ✓                       | ✓                      | ✓                               | ✓                                   | ✓                         |
| T-Shirt Logo (Small)                    |                                | ✓                       | ✓                      | ✓                               | ✓                                   | ✓                         |
| T-Shirt Logo (Medium)                   |                                |                         | ✓                      | ✓                               | ✓                                   | ✓                         |
| T-Shirt Logo (Large)                    |                                |                         |                        | ✓                               | ✓                                   | ✓                         |
| Logo on Robot                           |                                |                         |                        | ✓                               | ✓                                   | ✓                         |
| Robot Demonstration                     |                                |                         |                        |                                 | ✓                                   | ✓                         |
| Thank you, Video/<br>Robotics Room Tour |                                |                         |                        |                                 |                                     | ✓                         |



FPL



MOTOROLA SOLUTIONS  
FOUNDATION



## Team Budget

| Income                                                   | Cost      |
|----------------------------------------------------------|-----------|
| Projected Sponsor Donations                              | 25,000    |
| Team Fundraisers                                         | 6,000     |
| Student Fees                                             | 5,000     |
| Projected In Kind Support                                | 6,000.00  |
| Total Income Projection                                  | 42,000.00 |
| Expenditure                                              | Cost      |
| Competition Registration Fees                            |           |
| FIRST Regionals and District (2 Events and Kit of parts) | 9,000     |
| Off-Season FIRST Events                                  | 1,000     |
| Robots, Practice Field Parts, and Tools                  |           |
| Drive train parts                                        | 7,000     |
| Aluminum and Steel                                       |           |
| Pneumatics                                               |           |
| Electrical                                               |           |
| Tools for building                                       |           |
| Team Spirit, Marketing and Business Operations           |           |
| Team Shirts with sponsor logo and team name              | 1,500     |
| Sponsor Logo stickers                                    |           |
| Spirit Team Materials                                    |           |
| Event Transportation and Lodging                         | 16,000    |
| Bus                                                      |           |
| Meals                                                    |           |
| Hotel                                                    |           |
| Insurance                                                | 1,700     |
|                                                          |           |
| Total Projected Cost:                                    | 36,200.00 |

Total Budget: \$36,200



FORGE 2024- 2025  
SEASON OVERVIEW

July – August

BEGINNING OF RECURITMENT AND  
START OF FUNDRAISING PLANNING.

August - September

TRAINING OF NEW MEMBERS AND TEAM  
BUILDING EXERCISES. TO TRAIN NEW  
MEMBERS AS A TEAM WE WILL WORK WITH  
OUR MENTORS TO UNDERSTAND BASIC  
FUNDRAISING AT LOCAL RESTAURANTS.

October

AS A TEAM WE PLAN TO ATTEND  
THE PIRATES PILLAGE OFFSEASON  
EVENT.

November

FUNDRAISING EVENTS AT JOHN THE BAKER  
AND CHIPOTLE.

December

VOLUNTEERING AT FIRST LEGO LEAGUE  
COMPETITIONS (FLL).

January

FIRST ROBOTICS COMPETITION GAME REVEAL  
BEGINNING OF BUILDING AND PROTYPING  
POSSIBLE DESIGN IDEAS.

February

COMPETITION SEASON WE PLAN TO  
ATTEND TWO REGIONALS .

March

FTC VOLUNTEERING AT LOCAL EVENTS.

April

FIRST CHAMPIONSHIP IN HOUSTON,  
TEXAS.

May

SENDING THANK YOU'S TO OUR SPONSORS  
AND ALL OF OUR SUPPORTERS.

June

PLANNING FOR THE FOLLOWING  
SEASON

July

PLANNING OF OUTREACH  
EVENTS FOR NEXT SEASON.

EST. 2023

9404

Pembroke Pines, FL

“Forging our path to success.”

FORGE # 9404

Twitter- @Forge9404  
Instagram-@frcforge9404

DEAR SIR OR MADAM,  
We are a woman founded community based competitive high school robotics team from  
Pembroke Pines and participate in the worldwide robotics organization called FIRST, which  
stands for: For Inspiration and Recognition of Science and Technology  
(<https://www.firstinspires.org>). More specifically we participate in the division called the FIRST  
Robotics Competition (FRC) which is the premier high school STEM-based robotics program  
that empowers students from all backgrounds to engage in engineering challenges while  
developing real-world skills.  
  
Our team would greatly appreciate it if you would consider assisting us financially as we take on  
this challenge. Your generosity can assist us with the purchase of robot components, building  
materials, tools, and travel just to name a few. In exchange for your generosity, you are  
investing in your future local workforce and helping open the world of engineering to others.  
Depending on your level of contribution we can help advertise your support for our youth on our  
shirts, robots, and via social media.  
  
As an FRC team, we not only compete in several robotics tournaments but also perform  
outreach in our community to help expose children and adults to the values of STEM education.  
One of our major goals is to spread STEM education throughout the South Florida Community  
at large, especially as a community-based team with connections to all different parts of our  
county. Additionally, we look to focus outreach efforts on helping to expose underserved  
communities to STEM in our area. This past season we had the amazing opportunity to have  
received at the South Florida regional the Rookie All-star award and the Rookie Inspiration  
award at the Tallahassee Regional!  
  
We hope this small overview gives you a sense of this amazing program that you can help  
support. Please note that every little bit helps and is appreciated.  
  
If you have further questions, feel free to reach out to us via email [forge9404@gmail.com](mailto:forge9404@gmail.com).  
Thank you for your time and consideration.  
  
Sincerely,  
  
FORGE Team # 9404

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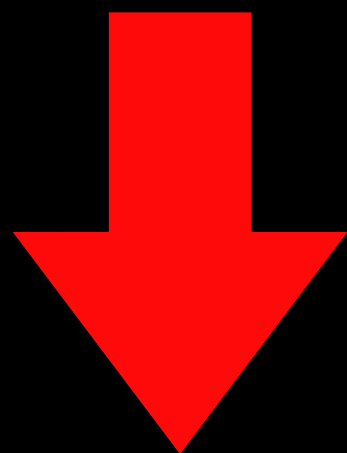
Grew to 17 sponsors  
and supporters

New fundraising  
intiatives in multiple  
industries!

# FUTURE OF FORGE

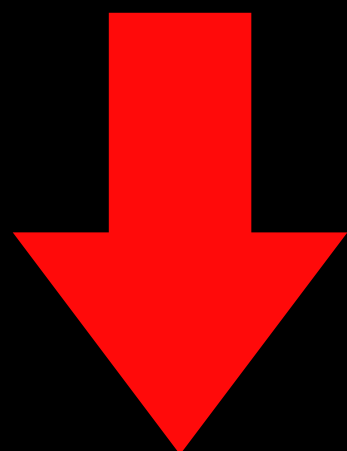
## Shared Community Workspace

Inspired by Milwaukee Robotics Academy, we would like to work with our to establish a shared workspace where local FIRST teams in FLL, FTC, and FRC can come together to collaborate, build, and learn. We aim to create an environment where all students, regardless of which FIRST program they are involved in, can have the resources and the space needed to innovate.



## Outreach Expansion

Looking to the future we would like to expand out outreach initiatives to local community events, including Holiday themed events, Farmers Markets. and any other opportunities that may arise outside of our current FIRST volunteering.



## Creation of New Teams/Mentoring

We currently mentor FRC team Cyberclaws and are continue mentoring them throughout the season. In addition, we are currently mentor FLL team Pines Panthers, and frequently checking in on FTC team WestWood Panthers. In the future, we hope to continue mentoring these teams, as well as expand our mentorship to more teams and create more teams in our local community.

