



Business Plan



Droid Rage 3035
FRC 2024 | Crescendo



Introduction

Located in Corpus Christi, Texas, Droid Rage continuously pursues our mission to provide exceptional opportunities for every student, regardless of background, to explore new horizons, identify their skills, and develop their critical thinking, since its establishment in 2008.

By fostering a collaborative and supportive culture that promotes learning and exploration, we aim to inspire the next generation of STEM leaders and equip them with the tools they need to thrive in an ever-changing technological world.



Corpus Christi, Texas

Legacy

Our team, **3035 Droid Rage** is an inclusive and passionate community of students, mentors, and volunteers from different backgrounds, genders, ethnicities, and abilities.

We are united by our passion for robotics and mission to spread STEM in our community.

We believe that **everyone has something unique to offer**, and we strive to create an inclusive and supportive environment where everyone can thrive and make valuable contributions to our team and beyond.

Our effort began with the creation of FRC Team 3035 in 2008. Over the years, Droid Rage expanded its horizons by launching 4 FTC Teams.



At present, Droid Rage commands five teams, a testament to our unwavering commitment to STEM education, attracting a plethora of members from all walks of life, providing them with remarkable opportunities to pursue STEM careers.

Recruitment

This year, team 3035 decided to take a different approach to recruit. Our main school hosted a “Meet the Senior Social”. This allowed the seniors and freshmen of our school to talk about the different types of programs and clubs we have.

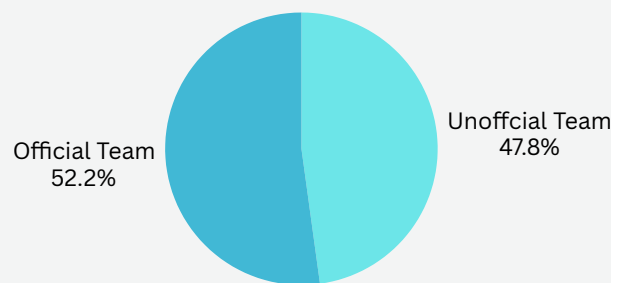
What we had at our booth:

- FRC and FTC robots on display and on the field to let underclassmen and seniors drive.
- A monitor playing our 2023 District Championship and Worlds recap videos.
- Trophies and plaques

Other recruiting opportunities we do are participating in STEM Nights at local middle schools encouraging students to attend our school to do robotics. As well as volunteering at local middle school teams



This year we had our biggest batch of students that were interested in our FIRST program. Little more than half of the students who signed up for robotics were accepted onto a Droid Rage team.



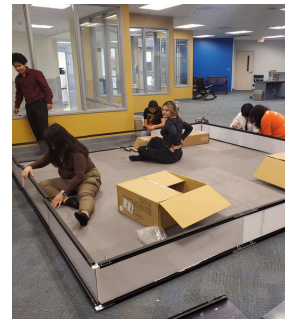
FIRST Community

"Team 3035 strives to strengthen our position in the community as the only FRC team in Corpus Christi. Our community outreach encourage young children to learn about STEM and to become involved with FIRST."

Droid Rage establishes strong relationships in FIRST through various methods including mentorship, volunteering, social media, and gracious professionalism.

Mentorships give expertise, collaboration on projects builds trust, volunteering demonstrates dedication, and gracious professionalism encourages respect and kindness. We continuously make efforts to ensure these practices are successful, and when necessary, seek mentorship.

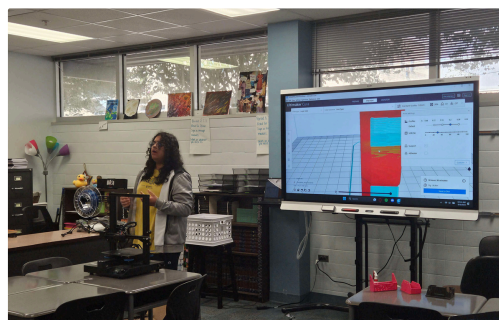
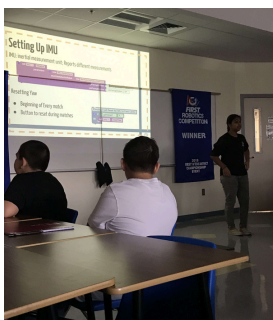
FTC Kick-Off



Droid Rage invited over 20 local teams around the coastal bay to host FTC's livestream game reveal for CenterStage.

Members from 3035 helped set up the game field the day before the Kickoff event in which we also donated boxes of unused FRC and FTC parts to 10+ teams in the Gulf Coast League as well as teams from the Central Texas SST League.

Workshops



We hosted various workshops this year to give our knowledge including 3D printing, programming, CAD, and custom parts. Some of these workshops were even available to local teams during FTC's kickoff, allowing not only our sister teams but also others in the FIRST community to gain our expertise.

FIRST Community

FRC Star Program



Our team held a mentorship program in collaboration with FTC Team 10862, Nebula. We held engineering, marketing, and programming workshops with mentors meeting with mentees one-on-one throughout the summer.

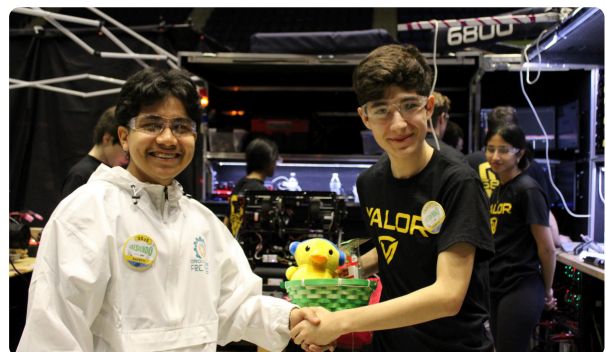
FRC Team Mentorship

As members of the FIRST community, we have aided teams such as FRC Team Phoenix 5654 from Israel and FRC Team 9051 Symbiosis from Portland, Texas by providing robot and marketing parts, as well as giving guidance and assistance during the design and building process of the robot.



Safety Raffle

As members of the FIRST community, we believe that safety is first. To promote safety, every year our marketing and safety team collab and create a safety raffle. Each safety captain is given 5 safety tickets to pass out to their team members who exemplify safety. Then whoever is given a ticket has a chance to win a safety basket.



Community Outreach

Tech2Learn

Droid Rage participates annually in Tech 2 Learn, a STEAM event hosted by Corpus Christi Independent School District at TAMUCC. Here, we presented our High School's robotic program, along with other schools showcasing their STEAM subjects to students in the district.



CTE Carrol High School Expo



Our High School was invited to attend the CTE High School Expo held at Carroll HS, a local high school. Here, Droid Rage showcased our robotics program, inspiring young students to consider applying to our High School and partake in FIRST. Our team members were also able to meet the CCISD Superintendent and interest him in our program.

Stem Nights

Droid Rage has attended multiple STEM Nights, spreading our love and passion for robotics to attending students. At these events we introduced attending students into FIRST robotics and FRC to interest them into our program or to consider career paths in STEAM.



Sustainability

Team 3035 is deeply committed to sustainability, exemplified through our comprehensive approach to responsible resource management. We prioritize the reuse of old parts and electronics, ensuring that nothing goes to waste.

This season we made efforts to make an impact in our environment

- We prioritize the reuse of old parts and electronics, to prevent creating more waste by buying new parts every year.
- Unfit parts for FRC are repurposed for educational purposes and or donated to local middle schools for continued use.
- Parts that cannot be donated or reused are properly sorted by category and recycled to local recycling centers.
- Using the scraps from our material sponsors preventing them from ending up in landfills and giving them a second life in our projects.

Not only are these practices environmentally responsible, but they also contribute to cost-effectiveness, allowing us to maximize the impact of our budget.

Sustainability Projects

Looking ahead, we are committed to continuous improvement and exploring new ways to enhance our sustainability efforts.

Future Goals

- Collect aluminum cans from both of our schools to create funding for parts/electronics.
- At the end of the season, we hope to partner up with Printerior Designs, to recycle old 3D printed parts that no longer serve a purpose to the team, to then later be melted and re-spooled.