

---

# OZONE ROBOTICS IMPACT BINDER

---

*2026 FIRST REBUILT Season*



# Table of Contents

Team Overview.....	2
Team Statistics.....	3
Outreach Overview.....	4
Camp OZone.....	5
Camp Skeeter Presentations.....	6
Orange Township 4 <sup>th</sup> of July Parade.....	7
Open Houses.....	9
State of the Schools Presentation.....	10
Olentangy Orange Art Show.....	11
Girl Scout Troop Badge Training.....	12
Local Media Appearances.....	13
96.7 FM Radio Interview.....	14
2023 FTC Support.....	15
2024 FTC Support.....	16
2025 FTC Support.....	17
2024 FTC Volunteering.....	18
2025 FTC Volunteering.....	19
Code Assistance.....	20

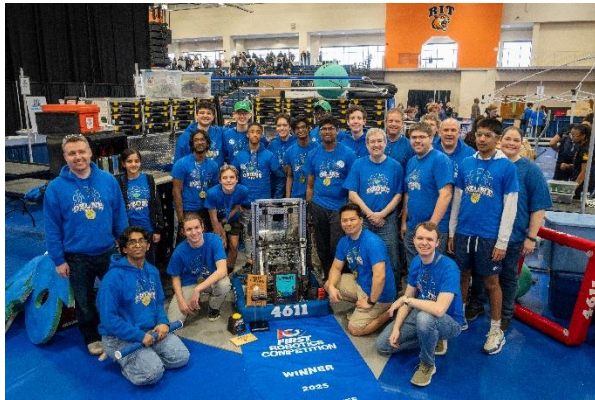


## Team Overview

OZone Robotics was founded in 2012 by Industrial Technology teacher Rory Schmidt and Engineer Andy Halter. A group of students was brought together in the fall of that year and students began to prepare to compete in the 2013 Ultimate Ascent game.



2013 Team



2025 Team

OZone Robotics, now in our 13<sup>th</sup> Season, encompasses students from all 4 high schools in the Olentangy Local School District. We have 60 students and 16 mentors.

## Our Mission

*OZone Robotics has a mission to provide students in Olentangy Schools with an educational opportunity in which they learn to use state of the art programming, building, electronics, and design technology and apply skills learnt in a team environment through preparation for competitive robotics competitions.*

## Program Overview

- **FRC Team 4611: OZone Robotics**
- **FTC Team 20197: OZone Blue**
- **FTC Team 22483: OZone Green**
- **FTC Team 27125: OZone Purple**
- **FTC Team 31640: OZone Red**
- **FTC Team 31641: OZone Orange**





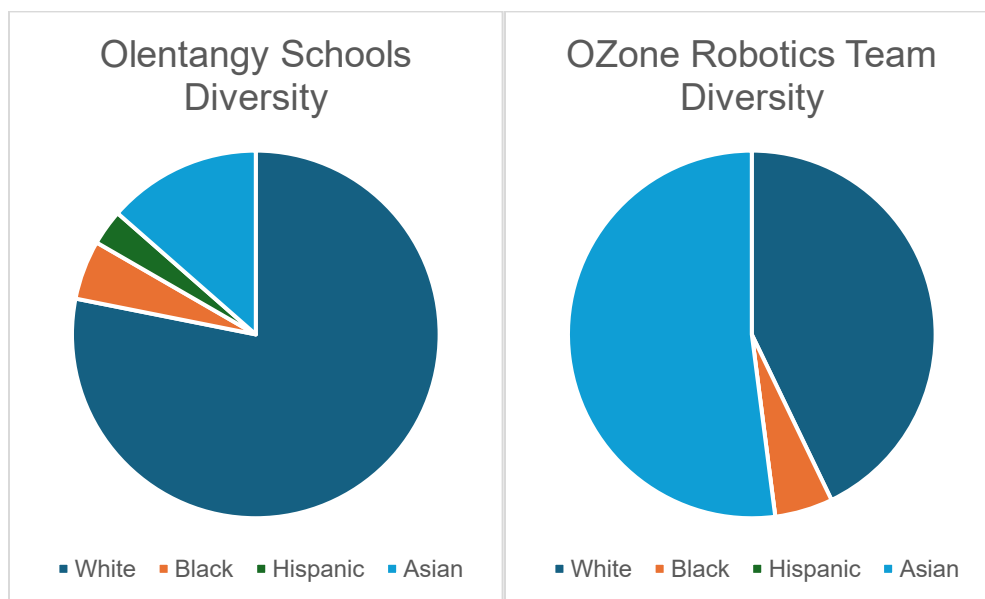
- **FTC Team 31642: OZone Yellow**

## Team Statistics

OZone Robotics is based in Lewis Center, OH within the Olentangy Local School District. Team members feed in from all 4 of our district's high schools.

### Diversity

OZone Robotics aims to include all students on our team. We believe that every student within our district has a place on our team. By facilitating and welcoming all students, we create a safe environment for students to learn new skills and grow.



### Quick Facts

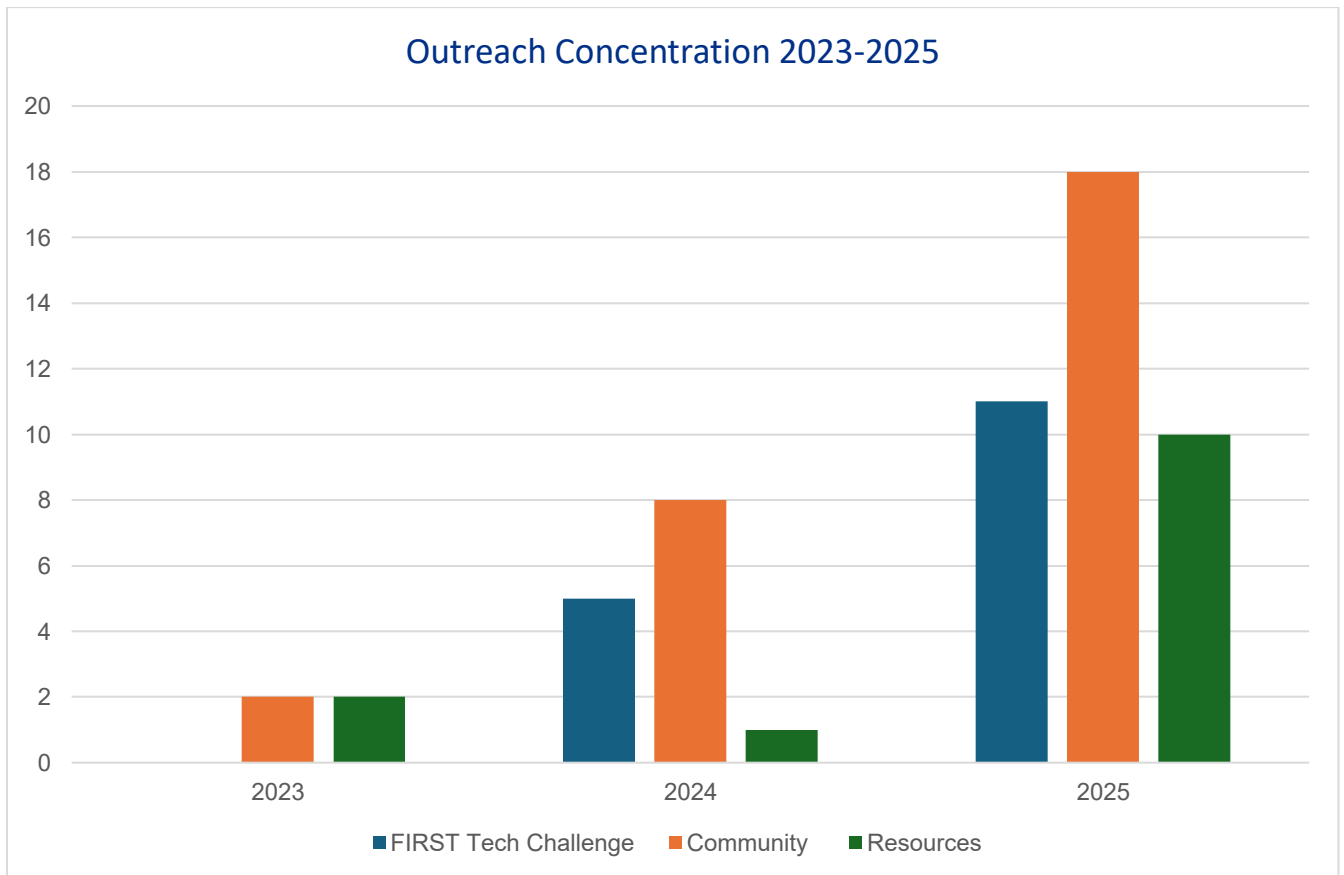
- **OZone has grown team participation by 30% since 2023**
- **OZone has grown team female participation by 50% since 2023**
- **20% of OZone team members were part of one of our FTC teams**
- **OZone has supported FIRST Tech Challenge teams since 2021**
- **OZone has supported FIRST LEGO League teams since 2018**
- **Our annual camp, Camp OZone has hosted 400+ students since 2023**



## Outreach Overview

We've focused our outreach towards the greater Olentangy community. Our reach has impacted people of all ages, and our efforts are growing year by year.

### 112.5% increase in outreach events from 2024 to 2025





## Camp OZone

In 2023 we started Camp OZone. This is a K-8 STEM camp open to students in the Olentangy School District. Students are broken into collaborative groups and attack challenges in areas such as coding, engineering, design and circuitry.

### Past Activities at Camp OZone:

- **Circuit Building**
- **Coding**
- **T-Shirt Cannon**
- **Arduino Robot Building**
- **Mousetrap Cars**
- **Earthquake Tower**
- **Egg Drop**

### Quick Facts:

- **Event Held in 2023, 2024, 2025**
- **400+ Students attended over 3 years**
- **Every student receives take-home STEM Materials**





## Camp Skeeter Presentations

For the past 2 years we've attended Oak Creek Elementary School for their annual "Camp Skeeter" to present to students about robotics and our team. This event allows us to reach 1<sup>st</sup> grade students and introduce robotics early on in elementary education. We encourage students to ask questions and be curious.

### Presentation Details:

- **Team Overview**
- **What do robots do?**
- **Prototyping**
- **Coding**
- **Vision**
- **Teamwork**
- **Robot Demonstration**

### Quick Facts:

- **This presentation has reached 200+ students.**
- **Several students who have attended these presentations have attended Camp OZone.**





## Orange Township 4<sup>th</sup> of July Parade

Since 2024, we've attended the Orange Township 4<sup>th</sup> of July Parade. This event allows us to interact with our community and showcase our robot. This public appearance has given us the opportunity to get in front of prospective students and community members.



### Parade Details:

- **Travels around Orange Township**
- **Provides Community Exposure**

### Quick Facts:

- **Have attended parade for 2 years**
- **Allows us to showcase robots in front of community members and leaders.**
- **Interact with Interested Students.**





## Open Houses

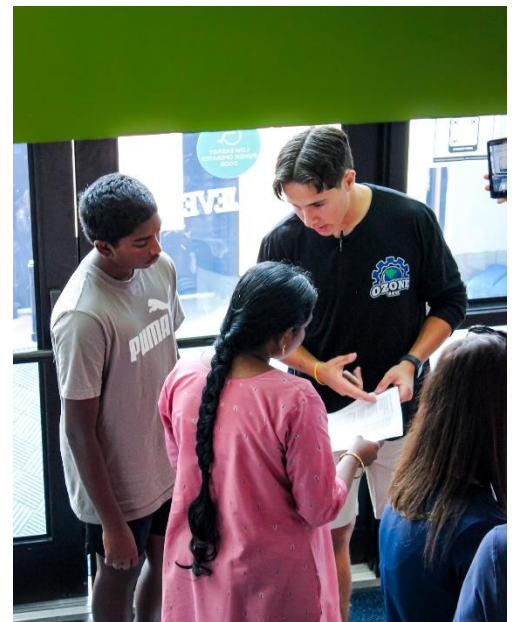
Our Open Houses have been a staple for our team. This event allows us to recruit new members and share our robot and team with the community. These events have grown with time as we've begun to include our FTC teams in the event. We have grown the open house as a marquee event for team recruitment.

### Event Overview:

- **Introductory Meeting/ Q&A Session**
- **Code Demonstration**
- **Robot Demonstration**
- **Middle School FTC Demonstration**
- **Season Overview**

### Quick Facts:

- **Annual Attendance of 150-200 community members**
- **Main team recruitment event for students/ mentors**
- **Provide resources to community members interested in FIRST**





## State of the Schools Presentation

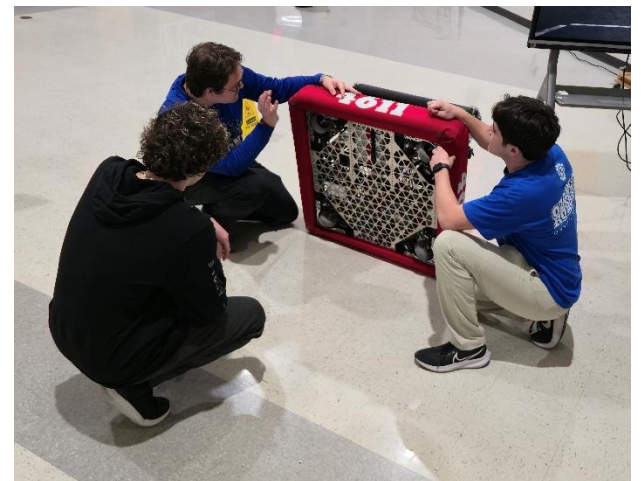
Each year, the Olentangy Local School District hosts the State of the Schools event where interested community members come and learn about initiatives throughout the district. We've been presenting at this event for several years and have gotten to interact with interested community members and district leaders. We've gotten to share our FIRST Program and help provide resources to those interested.

### Key Presentation Points:

- **Team Information**
- **Student Involvement**
- **Program Growth**

### Quick Facts:

- **Interacted with district leaders**
- **Provided info on how to start FLL teams**
- **Shared info about our FTC teams**
- **Allowed students to drive our robot**





## Olentangy Orange Art Show

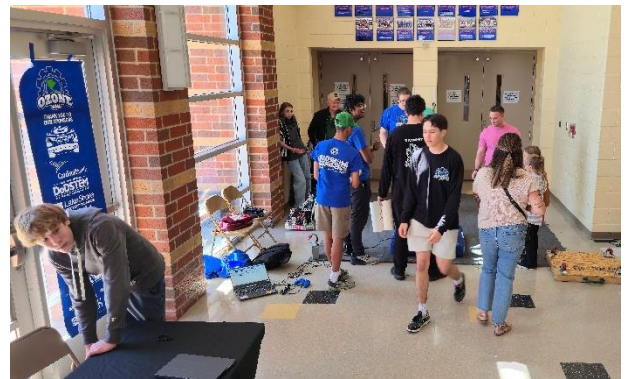
We attended the Orange High School Art Show in 2025, this event allowed us to showcase our robot and talk to middle school and high school students within our district. Several students and parents received valuable information about our Middle School and High School Programs.

### Key Presentation Points:

- Providing Information to students
- Season Success
- Program Growth

### Quick Facts:

- Interacted with interested students
- Provided info on how to join FTC and FRC teams.
- Shared info about our FTC teams
- Allowed students to drive middle school FTC robot





## Girl Scout Troop Badge Training

We've helped Girl Scout troops from the Olentangy Area earn their robotics badge. During these badge training sessions students engaged in STEM activities and were able to drive our showbot "Toaster."

### Key Training Points:

- Girls can do STEM
- Coding
- STEM skills

### Quick Facts:

- Presented to 2 Troops
- Reached 40 scouts over 2 sessions
- Shared info about our FTC teams
- Scouts got to drive our showbot "Toaster"





## Local Media Appearances

As we've become a more competitive team, our platform has gained the attention of local media outlets. We've used these media appearances as opportunities to support robotics around Central Ohio. These appearances have helped our community learn more about us and have helped us spread the word about FIRST.

### Key Article Points:

- **Recent Competition Success**
- **World Championship Preparation**
- **Community Support**
- **STEM Innovation**

### Quick Facts:

- **Articles increased donations to Worlds fundraising.**
- **Created new opportunities for team exposure**
- **Featured in 4 separate local news outlets: ABC6, FOX28, CW Columbus and the Delaware Gazette.**
- **Featured in STEM Magazine**

### Olentangy robotics team advances to world championship

by WSYX Staff | Sun, March 23, 2025 at 12:39 PM  
Updated Sun, March 23, 2025 at 7:01 PM



Olentangy robotics team advances to world championship (Ozone Robotics/Jocab Brongers)

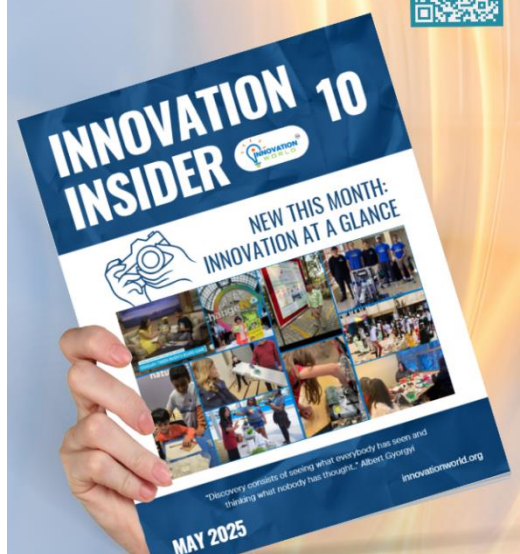
### Robotics team continues impressive run

Dillon Davis | April 3, 2025



The Ozone Robotics team poses for a photo following its win at the FIRST Robotics Competition Finger Lakes Regional event on March 15 in Rochester, New York.

Be an insider...





## 96.7 FM Radio Interview

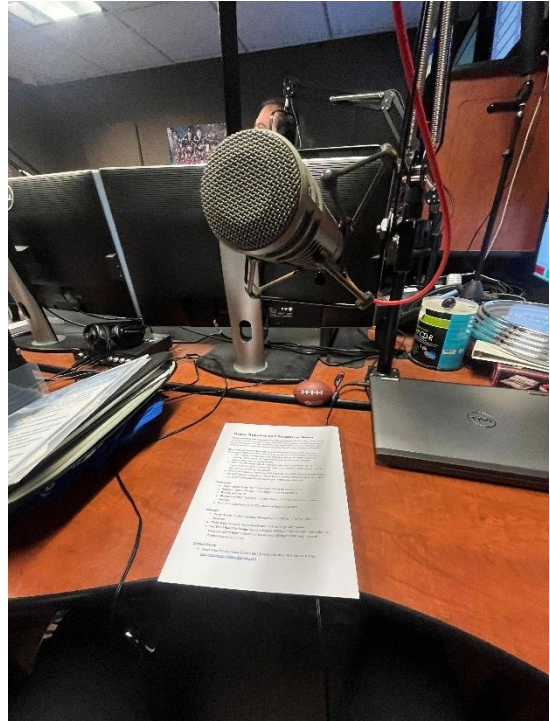
After appearing on our local news stations, we were invited to an interview for the 96.7 FM radio station's "Breakfast Club" show. We had 2 students and a mentor attend the interview to discuss our 2025 season and our advancement to the FIRST World Championship.

### Key Interview Points:

- **Advancement to FIRST World Championship**
- **Team Structure**
- **Team Growth**
- **Student Involvement**

### Quick Facts:

- **Interview increased donations to Worlds fundraising.**
- **Created new opportunities for team exposure.**
- **Were able to share our mission with wide range of listeners**





## 2023 FTC Support

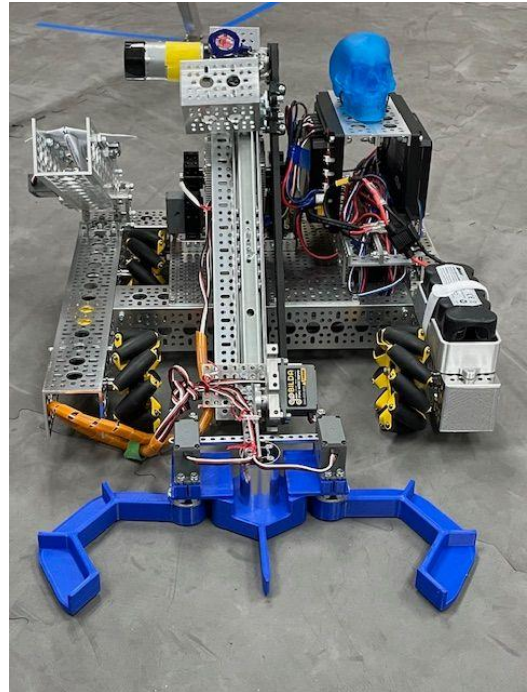
2023 was our second year having 2 FTC teams. We began to see the sustainability of our teams and worked towards supporting 2 teams and building highly competitive robots. These teams were coached by parent volunteers under the guidance of our teams lead mentor.

### Support Type:

- **Full Funding and resource support**
- **Facility sharing and mentor guidance**

### Quick Facts:

- **Students on teams were in 7<sup>th</sup> and 8<sup>th</sup> grade.**
- **Team worked under the guidance of OZone mentorship.**
- **Parent mentors from this team continued to mentor at the FRC level.**





## 2024 FTC Support

In 2024 OZone founded a third FTC team, further expanding our ability to reach the middle schoolers in our district. This season featured our first ever all-girls team, a great way to show our support for girls in STEM and making sure we can expose as many kids to engineering as possible.

### Support Type:

- **Full Financial Support**
- **Facility sharing**
- **Provided FRC Mentorship for teams**

### Quick Facts:

- **Added Additional Team (39 Students)**
- **Received FRC Mentorship**
- **Competed in 2 competitions**
- **First all-girls team**





## 2025 FTC Support

2025 was our biggest year for FTC. We expanded to 6 teams, including 2 all-girls teams. We also incorporated FRC Student mentors for 3 teams and 4 of our 6 teams had an FRC student/mentor working with them. This was also our biggest year of team success with two of our teams advancing to the Ohio State Championships.

### Support Type:

- **Full Financial Support**
- **Facility sharing**
- **FRC Mentors and Students assisted teams.**

### Quick Facts:

- **Added 3 Additional Teams (46 Students)**
- **Received FRC Mentorship**
- **2 Dedicated All-Girls teams**
- **2 teams advancing to State Championship**





## 2024 FTC Volunteering

Before the 2024 season we had 2 new mentors join our team, they run the Central Ohio FTC League. With our team expanding our FTC program, we decided to start volunteering at events.

### Events Volunteered At:

- **Central Ohio FTC Scrimmage 0-3**
- **Central Ohio FTC League Championship**

### Quick Facts:

- **3 OZone Students/Mentors Volunteered at events**
- **Involved in competition planning/ operations/ reffing**





## 2025 FTC Volunteering

After expanding to 6 FTC teams, we made a big push to have high school student involvement within our middle school teams. With our continued, growing presence in the Central Ohio FTC League, we got more students involved in the events.



### Events Volunteered At:

- Central Ohio FTC Scrimmage 0-3
- Central Ohio FTC League Championship

### Quick Facts:

- 9 OZone Students/Mentors Volunteered at events
- 200+ Hours of volunteer time at events
- Involved in competition planning, operations, inspection, refereeing, judging, emceeing and scorekeeping





## Code Assistance

Since 2020, OZone has uploaded the code for its robots to GitHub, a public website for others to see and use. OZone has maintained this in the last 3 years as to be a helpful team to others, especially as we are now coding our robot in python and having success with it. We've also helped numerous teams with code help at both competitions and throughout the season.

### Key Points

- **Published Code for past 3 seasons**
- **Helped rookie and young teams with code at competition**
- **2025 REEFSCAPE Code was first year in python**

### Quick Facts:

- **3 Seasons of Code Releases**
- **Prominent presence as a competitive Python team**
- **Used additional resources and students to help teams at competitions**

