



CYBER BLUE

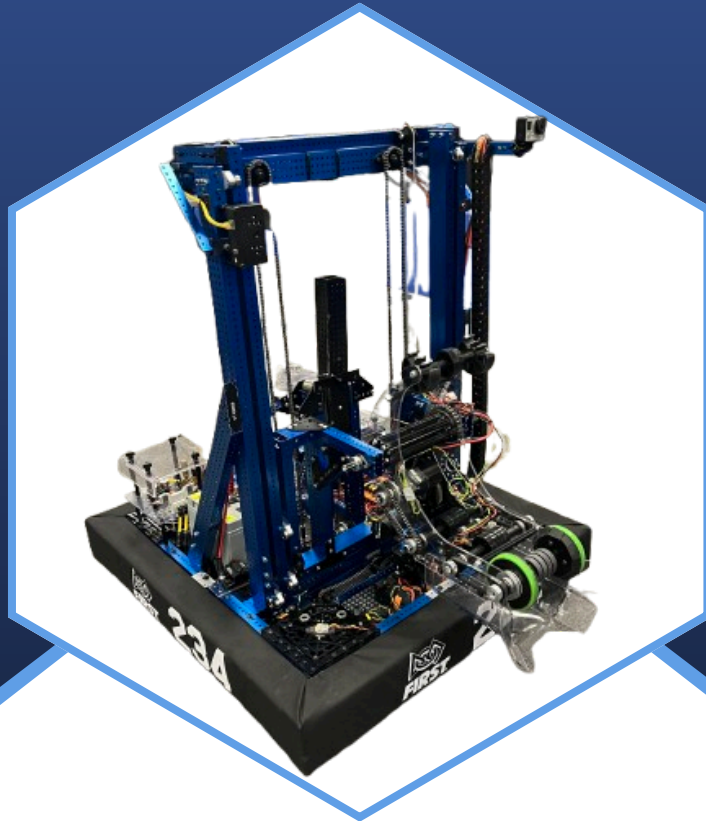


Cyber Blue Team 234 was founded in 1998. Our team is focused on exceeding known limits. We concentrate on education, community, and competition. Whether we are inviting the community into our lab to experience robotics firsthand or helping out our neighboring teams in FIRST®, Cyber Blue is determined to be a role model in our community.

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2025 ROBOT DESIGN



Our 2025 Robot was designed to have multi-mode autonomous. Our robot can load coral from the loading zone, and can load algae from the floor and from the reef. Our intake is also our output, allowing us to move the coral without a hand-off. We also have an in-frame climber that uses a winch and a magnet to climb on the lower level barge.

OUR BUSINESS PLAN

Mission Statement: Cyber Blue promotes education, community, and perseverance through the *FIRST* Robotics Competition and strives to be a positive force and recognized name in our community.

Our Vision: Cyber Blue endeavors to encourage students of all interests to join the team, and to diversify our team with students of multiple interests, backgrounds, and learning styles. We believe that the creation of a successful *FIRST* Robotics program is not only about engineering but also about creativity, idealistic thinking, and opportunity. Cyber Blue strives to exceed perceived limitations in all things.



OFF-SEASON EVENTS

Cyber Blue hosts two off-season competitions; IndyRAGE and the Indiana Robotics Invitational (IRI).

IndyRAGE is a female-focused event which stands for Raising Awareness for Girls in Engineering. This event was created to tie the FIRST competition together with female empowerment. At the event, drive teams must be all female and we encourage pit crews to be female-only. Teams from over 5 states attend when we host this event every other year.

We have co-hosted IRI for over two decades. This event is one of the largest off-season competitions, but it also has a significant focus on charity. As part of the team entry fee, we ask the teams to donate backpacks and school supplies. These are distributed to local elementary students at Title 1 schools.

INDIANA ROBOTICS INVITATIONAL



Co-Hosting IRI

Over the past 23 years, we have co-hosted IRI with teams 45 and 1024. We set-up/tear down the field, sell t-shirts and run the silent auction. All of the funds raised go towards charity.



Charitable Giving

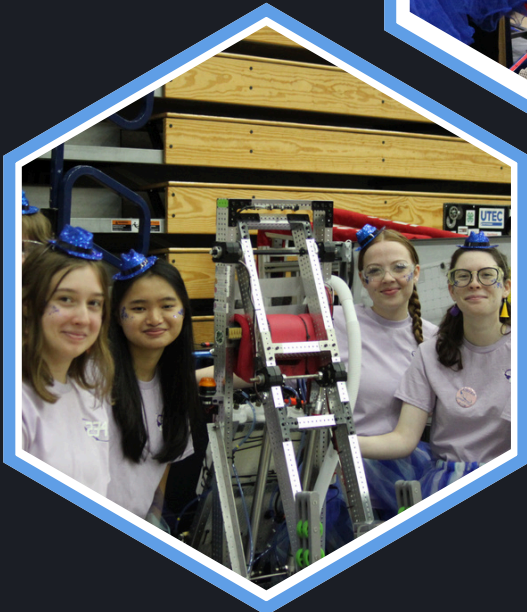
In 2023, roughly \$7,300 was raised through the silent auction that year. In total \$83,182 has been raised for charity through the auction at the event. IRI sponsors have also given over \$126,000 in scholarships to date. We also donate backpacks to local elementary schools collected at this event.



School Supplies For Students

As part of the team entry fee, we ask the teams to donate backpacks and school supplies that are given to elementary students at Title 1 schools, with a total of 1,166 backpacks given since inception.

INDYRAGE



STUDENT MENTORING

Cyber Blue has numerous student mentors volunteering at middle school and elementary school teams

We mentor the robotics team at Abraham Lincoln Elementary School and Douglas MacArthur Elementary School, while also volunteering at their competitions. Under our guidance, the elementary students are able to have more structured builds, instruction in learning, and more productive meetings.

We also mentor the Perry Meridian Middle School in their FTC season. During the FTC season, 7 of the Cyber Blue student members went to mentor the middle school robotics team. We taught them about common engineering systems, tools, manufacturing, and programming. The student mentors helped finish through the whole season and were there year round.



COMMUNITY OUTREACH



Broad Ripple Art Fair

During the local Broad Ripple Art Fair, we were able to connect with attendees of all ages and backgrounds. The fair had roughly 15,000 people in attendance that were able to stop by our booth. We promoted FIRST and let people drive our mini-bot spreading the influence of robotics to the broader community.



Girls Inc.

A local non-profit that empowers young girls to become the leaders they were born to be regardless of race or economic standing. We help host both summer camps and STEM days alongside Girls Inc. Last summer, 60 girls attended camp and went to breakout sessions that included programming stations, a racecourse with our demo-bot, and an opportunity to drive our competition robot.



Rolls-Royce STEM Day

This event provides elementary level students the opportunity to get hands-on STEM experience. They are able to drive our robot through an obstacle course and ask members questions about FIRST.

LEGISLATIVE WORK

Several Cyber Blue members attended *FIRST* Robotics Day last year at the Indiana Statehouse. We were successfully able to advocate for funding of *FIRST* programs in schools throughout all age-groups, allowing the impact of STEM to reach more minds. During the event, students were interviewed by lawmakers as well as local news. Collin Fultz, Senior Director of FRC and Cyber Blue Alum, also gave a presentation on the importance of funding for *FIRST* in schools.



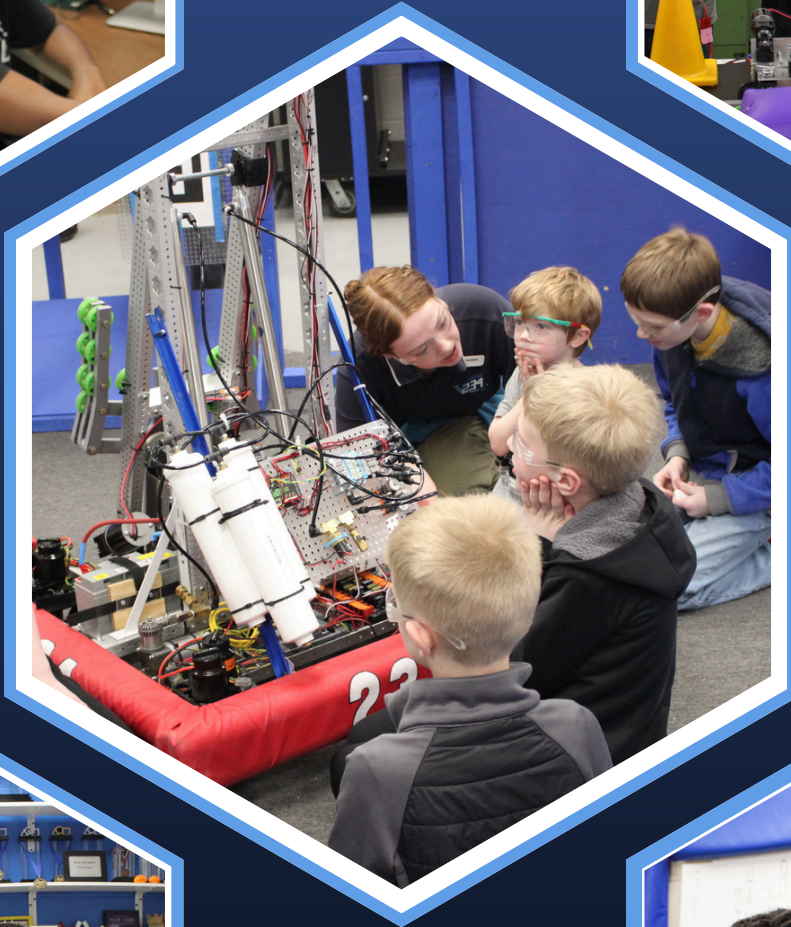
- **CRITICAL DESIGN REVIEW**

Our sponsors and mentors foster our engineering curiosity at our Critical Design Review (CDR). During CDR, we present the game, its challenges, and our proposed solutions in the design of our robot. The panelists ask questions, point out potential weaknesses in our design, and offer possible alternative tweaks to the robot. Going through this process allows us to better the robot and our critical thinking.

- OPEN HOUSE

For over two decades we have held open houses that give members of the community the chance to see our lab and discuss *FIRST*. It's a wonderful opportunity to display projects our team has worked hard on. People in attendance range from parents to teachers. This is also a great way for our sponsors to directly see how their funding is impacting us. We consistently receive positive feedback from attendees which is a valuable way to learn more about our team and *FIRST*.

OPENHOUSE





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OUR SPONSORS



Paul Schreiner



HNTB

