



ORION 32180 -NORTHSTARROBOTICS-

We are a robotics team based in Carmel, Indiana, with a passion for making a difference in the lives of youth through STEAM education in our community. This week, we have finalized our team roster!

Additionally, we have been working on finalizing primary and secondary subteams for each team member!

LEADERSHIP NOTICES

Our Head Mentor and Consulting Mentor have been decided for the 2026 - 2027 BioBuzz season!

Head Mentor: Bryce Castle

Consulting Mentor: Michael Tosh

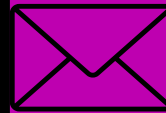
Both our Head Mentor and Consulting Mentor will be responsible for representing Orion | NorthStarRobotics as adult voices for NorthStarRobotics.

SAVE THE DATES



- 09/02/2026 - ELECTRICAL TOOL TRAINING
- 09/09/2026 - MECHANICAL TOOL TRAINING

FOLLOW US @NSR_ORION



SAGE RYKER

TEAM LEAD, ORION | NORTHSTARROBOTICS

ORION@NORTHSTARROBOTICS.ORG



REMINDERS

- Leadership application open: 08/30/2026 - 09/02/2026
 - Team Lead: Open
 - Business Lead: Open
 - Control Lead: Open
 - Mechanical Lead: Open
- Other leadership opportunities open in the future ~ **TBD**
- Legal Guardian Consent Form required to participate in team meetings
- 4 spots still **open** for Orion | NorthStarRobotics!

08/23/2026 - 08/30/2026 -MEET THE TEAM-

STUDENT SPOTLIGHT

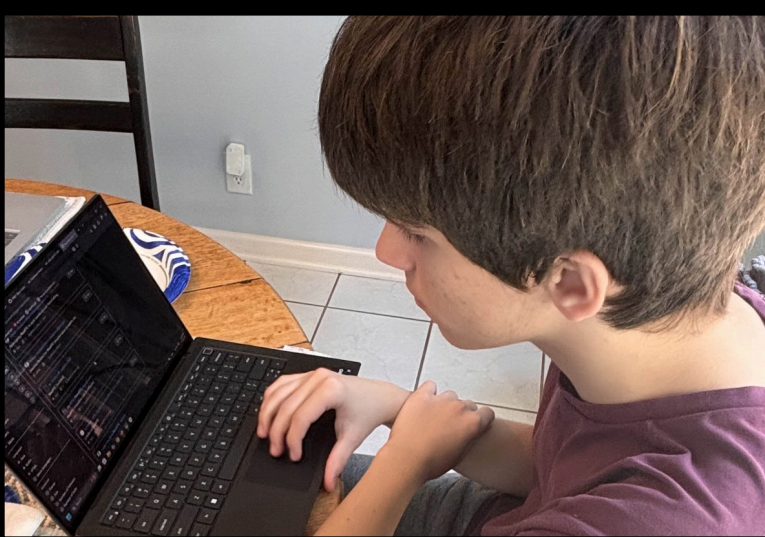
Name: Alex [REDACTED]

Primary Subteam: Control

Secondary Subteam: Mechanical

Fun fact: "You can accomplish anything with zip ties and a dream"

Advice for Members: "Don't be afraid to ask questions. Nobody instantly knows how to do everything."



MENTOR SPOTLIGHT

Name: Mrs. Bryn Masiuk

Background: Originally from Washington, DC, Mrs. Masiuk earned two bachelor's degrees from the University of Evansville. Since graduating she has worked as a special education teacher and has volunteered with a variety of organizations!

What does Mrs. Masiuk mentor: Business Subteam/Leadership development!

Favorite advice: "Deep, breaths, it will be ok. Ask yourself what you need to do to move forward, now let's work on that!"

Why Mrs. Bryn Masiuk volunteers: "I enjoy working with organizations that benefit the community and build leadership opportunities and skills for everyone. NorthStarRobotics is that, and so much more!"



KidsExploreRobotics

NorthStarRobotics is proud to partner with KidsExploreRobotics, an organization dedicated to making robotics and STEM education more accessible to students. They offer several valuable services for students 4+! **EMAIL:** kidsexplorrobotics@gmail.com for more information on these programs!

08/23/2026 - 08/30/2026 -SUBTEAM UPDATES-



BUSINESS UPDATE

We are starting Virtual Business meetings every Thursday from 6:30 PM - 7:30 PM! We are excited to start teaching members about what our Business Subteam does every week.

Students are strongly encouraged to tune in for our first Business Meeting!

CONTROL UPDATE

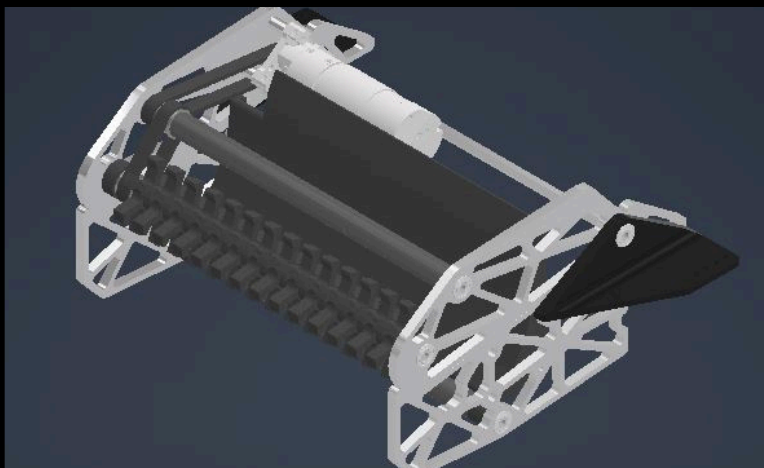
Electrical Tool Training is happening virtually 09/02/2026! Please be there.

Additionally, we have begun experimenting with Vison so we can have a more advanced control system during our BioBuzz competitions!



MECHANICAL UPDATE

We have already begun exploring our potential Intake options for the 2026 - 2027 BioBuzz season! So far we have two submitted designs that are ready to be considered right after Kickoff (09/12/2026)!



BioBuzz Bee fact:

“Honey bees are fab flyers. They fly at a speed of around 25km per hour and beat their wings 200 times per second!” - National Geographic Kids

08/23/2026 - 08/30/2026 -OUTREACH CORNER-

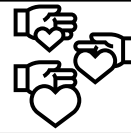


Volunteer Opportunities

Get involved in our community!

Event	Date	Location
Teen Volunteer Corps	ANY TIME	Carmel Clay Public Library

Want to volunteer? Contact Orion@NorthStarRobotics.org for more details!
Have other volunteer opportunities? Contact Orion@NorthStarRobotics.org!



Upcoming Fundraisers

Your support helps us go farther!

Event	Date	Location
Sponsorship Drive	ANY TIME	ONLINE!

Contact Orion@NorthStarRobotics.org for more details!

Think of a fundraiser we could hold? Contact Orion@NorthStarRobotics.org!

Outreach Statistics

Our Progress...



Volunteer Hours **154**



Outreach Events **32**



People Impacted **~10k**



Community Partners **2**

And so much more to come throughout the season!

Our Impact This Season!

46.2%

of our students have participated in at least one outreach event

Educational Corner

What are Torque and Speed?

Torque is the rotational force a motor produces. Speed is how quickly the motor can rotate. More Torque = Less Speed and vice versa! If you need more strength, you want more torque. If you want something to go faster, you want more speed!



Team Statistics



Team Members **13**



Mentors **7**

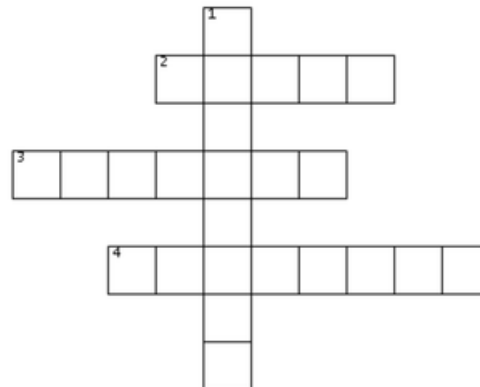


Number of Meetings **1**



Robot Iterations **0**

Preseason Crossword!



ACROSS

- Creating the physical structure of a robot
- Writing instructions that tell a robot what to do
- Working together to accomplish a shared goal

DOWN

- Sharing robotics with and helping the community

SUPPORTING ORION | NORTHSTARROBOTICS!

If you or someone you know are interested in supporting Orion | NorthStarRobotics, please see the list below to see what may fit you the best!

DONATING TIME

- Mentoring Orion | NorthStarRobotics
 - If you're passionate about supporting youth in STEAM, mentoring for Orion | NorthStarRobotics is a great way to make a difference!
- Volunteering on the NorthStarRobotics Board
 - If you're interested in volunteering for NorthStarRobotics but prefer not to work directly with the students on the robotics team, there are multiple open board positions for both adults and students!



MONETARY DONATIONS

- Sponsorship Donations
 - If you own a company or know one that would like to sponsor youth in STEAM, please check out the Sponsorship Levels and corresponding Sponsor Benefits!
- Individual Donations
 - If you want to inspire the next generation of innovators, a donation to Orion | NorthStarRobotics is a powerful way to impact youth STEAM education. We'll work with you to offer benefits similar to corporate sponsorships!

Sponsorship Levels	Sponsor Benefits
Constellation → \$1500+	Receives logo in a large size on this season's team shirts, three social media shoutouts, logo featured on our robot , logo on this season's banner, and logo on the website.
Stellar → \$1000+	Receives logo in a medium size on this season's team shirts, two social media shout outs, logo on this season's banner, and logo on the website.
Nebula → \$500+	Receives all benefits of Voyager, name of season's team shirts , and name on this season's team banner .
Voyager → \$250+	Receives a social media shout out and name on the website

PHYSICAL DONATIONS

- In-Kind Donations
 - In-kind donations from businesses are treated the same as monetary sponsorships!
- Individual Physical Donations
 - Orion | NorthStarRobotics is always seeking donations of equipment and essential supplies to support our students in STEAM.

IF YOU ARE INTERESTED IN SUPPORTING NORTHSTARROBOTICS IN ANY OF THESE WAYS, PLEASE EMAIL

ORION@NORTHSTARROBOTICS.ORG