

4646 Wildcard Robotics
Sponsorship Information Packet

WILDCARD
ROBOTICS

ENGINEERING THE FUTURE.
COMPETING TODAY.

4646 Wildcard Robotics



Our Mission

Wildcard Robotics is a robotics team based in Polk City, Iowa. Our team spans six schools (North Polk, Ankeny, Ankeny Centennial, Bondurant, Madrid, Ankeny Christian Academy, Waukee Northwest and Ballard) and five grades (8-12). Our season starts in January of each year and continues until May. During this time, students alongside professional volunteer mentors design, build, test, and iterate a robot to compete in the FIRST Robotics Competition.

Student Development

Each year starting in June, the team starts its Student Development

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Programs, which meet weekly in small groups that focus on teaching the students specific skills. These skills include Mechanical Design through computer-aided drafting (CAD), Software Engineering, CNC tools and 3D Printing as well as other areas depending on the interest of the students. These groups continue to meet from June through December to prepare the students for the exciting season ahead. The summer development program has been a major factor in the team's success of creating a competitive, highly engineered and CNC fabricated robot by building the student's skills during the off-season.



Software

The Software team programs all functions of the robot, including the autonomous routine at the beginning of each game. Students learn skills in writing software, using vision (cameras) to automate the robot, and simulating software actions before testing them on the physical robot.

Mechanical

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The mechanical team works on designing, modeling, printing, fabricating, wiring, and assembling robot parts for our project. Students learn skills in mechanical engineering such as making calculations, designing kinematic systems and simulating the actions of the robot before physically building and testing.

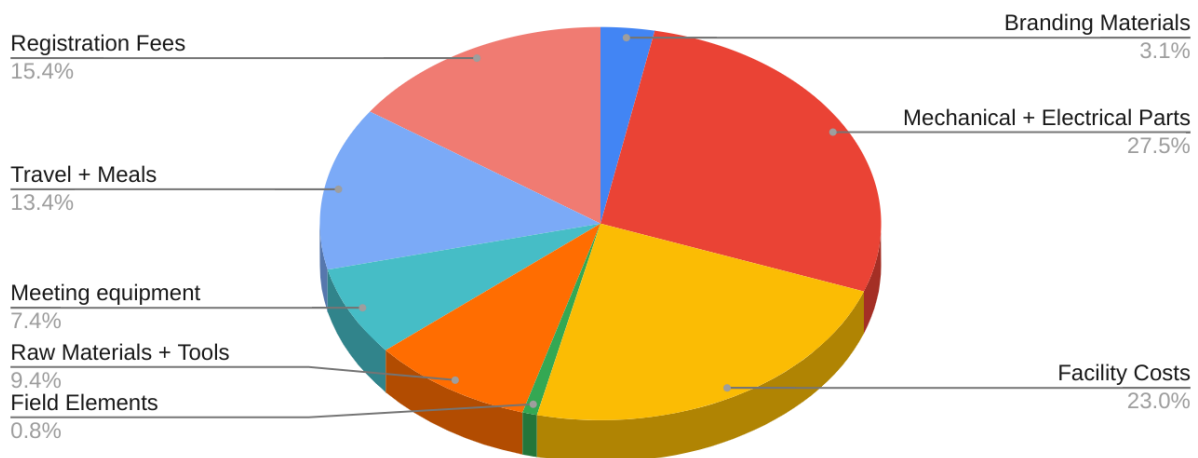
Teamwork

All the sub-teams come together to test, iterate, and improve the robot before and during the competition season. At the FIRST Robotic Competitions, the team competes with, and against, other teams from across the country and around the world. These competition teams work together in problem-solving, building relationships and learning how to be one united team.

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Why Donate?

All sponsorship money goes directly into our team's success. With your donation, you can support the education of young professionals by helping cover the costs of tooling, hardware, supplies, educational resources, travel and competition expenses for our student team. The team fundraising goal is \$50,000 to cover the various expenses incurred throughout the competition season. The chart below illustrates the average breakdown of expenses in a season.



Facility Costs are provided through sponsorship from our host sponsor Diamond J Customs, LLC who provides the shop area and major tools for the team.

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Sponsorship Benefits

Benefits	20K+	10k	5k	2.5k	1k	\$500
Featured on webpage	X	X	X	X	X	X
Featured on our pit banners	X	X	X	X	X	
Featured on our social media	X	X	X	X		
Featured in our promotional video	X	X	X			
Logo featured on T-shirt design	X	X	X			
Logo prominently on robot	X	X	X			
Logo on our annual banner in the shop	X	X				

How to Donate

Non-profit organization: Polk County Agricultural Extension District

Attention: Team Name - Wildcard Robotics

Employer Identification Number: 42-6021466

Address: 1625 Adventureland Drive, Suite A, Altoona, IA 50009

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Contact Information

Email:
4646robotics
@gmail.com

Website:
Team4646.org

Social Media
Instagram/Facebook:
Team4646

Team pictures from the past seasons:



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Team Accomplishments

2025

- ❖ Playoff Competitor - Central Missouri Regional (Sedalia, MO)
- ❖ Autonomous Award – Central Missouri Regional (Sedalia, MO)
- ❖ Winning alliance - Iowa Regional (Cedar Falls, IA)
- ❖ Autonomous Award – Iowa Regional (Cedar Falls, IA)
- ❖ International First Championships Qualifier (Houston, TX)
 - o Alliance captain in playoffs

2024

- ❖ Second place alliance - Central Missouri Regional (Sedalia, MO)
- ❖ Autonomous Award – Central Missouri Regional (Sedalia, MO)
- ❖ Second place alliance - Iowa Regional (Cedar Falls, IA)
- ❖ Industrial Design Award – Iowa Regional (Cedar Falls, IA)

2023

- ❖ Judges Choice Award – Green Country Regional (Tulsa, OK)
- ❖ Second place alliance – Green Country Regional (Tulsa, OK)
- ❖ Playoffs Competitor – Iowa Regional (Cedar Falls, IA)