

# WALNUT VALLEY ROBOTICS

## TEAM 5857

SPONSORSHIP  
PACKET





## **ABOUT FIRST**

FIRST (For Inspiration and Recognition of Science and Technology) is a nonprofit organization founded by Dean Kamen who hoped to inspire the next generation of students to pursue Science, Technology, Engineering, and Mathematics. Through the First Robotics Competition, a competition under FIRST known as FRC, students gain hands-on experience as they design, fabricate, and construct their robots in a short period of six weeks. The robot is built with the current year's game in mind as students vie for a spot at Championships at local regionals.

## **OUR MISSION STATEMENT**

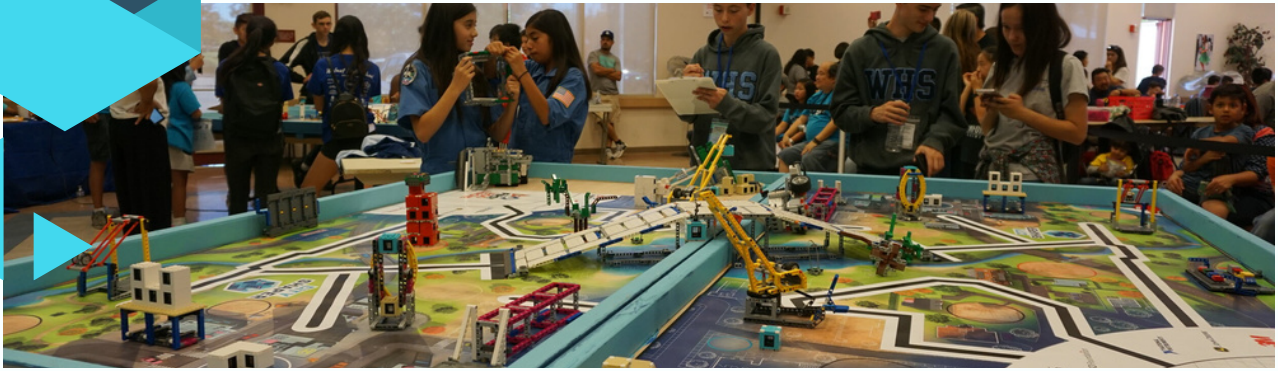
Our mission is to spark lifelong ambition in students through self-driven accomplishments and community engagement. As a team, we strive to engage every member of the Walnut Valley Community in a STEM-based program.

# **OUR IMPACT**

## **OUTREACH IN GHANA**

In 2016, our members created a program that would eventually touch thousands of young lives in Anloga, Ghana. Each year, Walnut Valley Robotics sends a few high school members to Ghana to help teach these students. Team members spent most of their time at the Avete-Anloga LA Basic School, located in Anloga, Volta Region of Ghana. In the time that we were at the school, members instructed students on how to design, build, and program their own EV3 Robots. We also made it a priority to give teachers the resources (EV3 Kits) and instructions required to continue to teach their students. In the time that we were in Africa, we were able to establish relations with many nearby schools and communities. Avete Anloga Basic School now has 9 LEGO Mindstorm Kits, 13 computers, and a fully functioning FLL team. In the near future, Walnut Valley Robotics looks forward to sending more members and providing support to their FLL team.





## **FTC AND FLL**

We also aim to inspire younger generations in FIRST Robotics and pursue their interests in STEM. We are actively planning on mentoring more FIRST LEGO League (FLL) and FIRST Tech Challenge (FTC) teams during their qualifying season to encourage the growth of their knowledge and passion for robotics. Our most recent FLL tournament took place in December 2019 at the Walnut Teen Center. The event was a success and we look forward to hosting future tournaments so that we can not only encourage others to pursue FIRST, but to also get to know members in our community and create lasting bonds. We also ran 4 FTC qualifying matches at South Pointe Middle School. In preparation for these events, the operations subdivision of our team visited the site numerous times to meet with the school principal and janitor to discuss logistics. Additionally, we worked intensely with the district secretary to manage costs and insurance. Without the help of the community and our fundraisers, the team would not have been able to pay for the costs of the venue and insurance.

## **STEM FAIRS**

For the past few years, we have been participating at the Orange County Fair. Each year, we try to bring something different to interact with our audience. This past year, our team was able to construct a mechanized pong table. Fair goers were able to play a unique game of ping pong—instead of using traditional paddles to hit the ball back and forth, they were able to control the game using an Xbox controller. The controllers connected to a gear that moved the paddle left and right. Safe to say, it was a hit and we were able to show spectators and players alike the amazing things that can be done with STEM. During the second FTC tournament our team hosted a STEM fair by inviting neighboring FLL, FTC, and FRC teams to showcase their accomplishments over the year. Among the crowd was Congressman Ed Royce, who presented the team with a Certificate of Recognition for organizing the Robotics Competition and Fair. We were very excited to be able to introduce many young minds into a FIRST program.



# AWARDS AND ACCOMPLISHMENTS

Ever since our team was created, we have worked hard to build an incredible team and robot. Each and every year, we strive to improve and achieve more as our members gain more knowledge of FRC and robotics in general. This hard work has paid off as each year we continue to outperform the previous year.

## 2016

Rookie Inspiration Award

## 2018

Orange County Regional Quarterfinalist

## 2019

Engineering Inspiration Award

## 2021

Designer's Award

## 2023

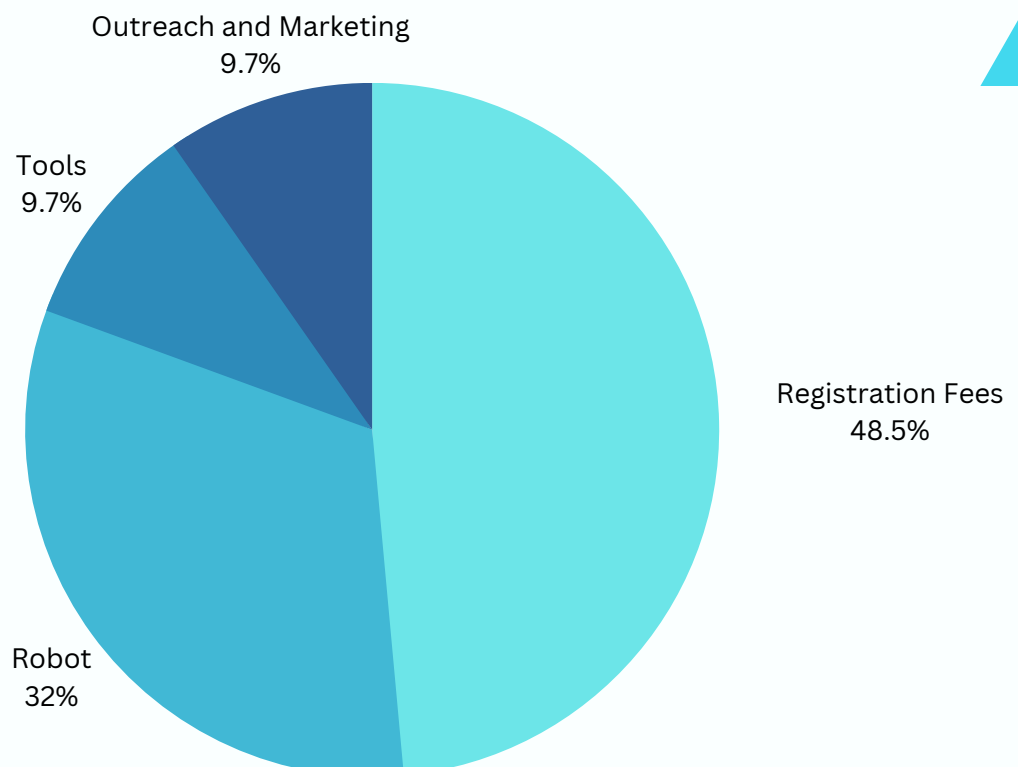
Los Angeles Regional Semifinalist



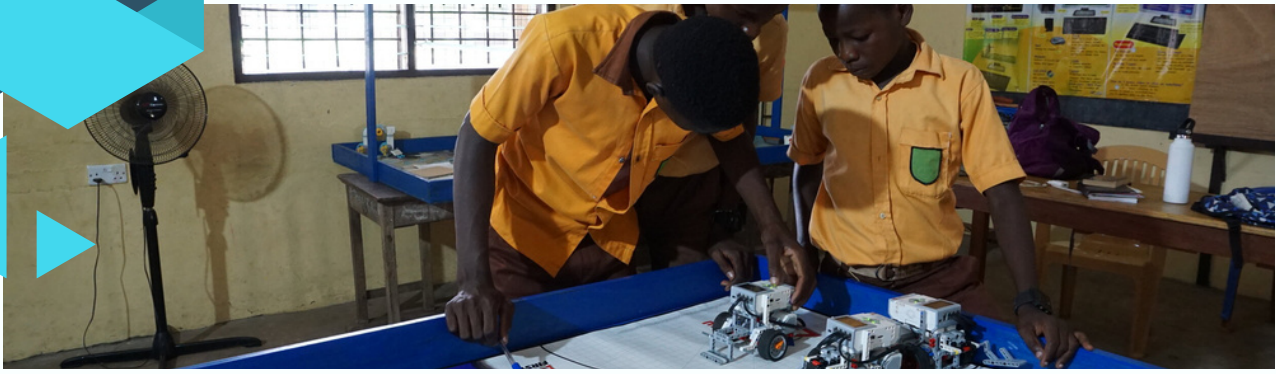
# TEAM NEEDS

Walnut Valley Robotics works hard to maximize efficiency and utilize the budget well. Your generous donations help contribute to our team budget and have a tremendous impact on our team. Any donations we receive will be allocated to various uses. Throughout the year, we will be purchasing raw materials, as we build our robot from scratch, designing competition gear, paying for registration fees and more. In addition, we are always looking for adults who are willing to mentor our team and provide the real world experience necessary to tackle old and new challenges from different angles and perspectives.

<b>Registration Fees:</b>	Competition 1	\$6,700
	Competition 2	\$3,300
<b>Robot Expenses:</b>	New Parts	\$1,000
	Robot	\$5,000
	Metal	\$600
<b>Other Expenses:</b>	Tools	\$2,000
	Outreach and Marketing	\$2,000







## SPONSORSHIP BENEFITS

### DIAMOND \$7,500+

- Large Logo on t-shirt, website, banner
- Recognition before team matches
- Individualized advertising through social media
- Large logo on robot

### PLATINUM \$5,000+

- Medium logo on robot
- Recognition before team matches
- Individualized advertising through social media
- Large logo on t-shirt, website, banner

### GOLD \$3,000+

- Medium logo on t-shirt, website, and banner
- Recognition before team matches

### SILVER \$500+

- Small logo on t-shirt and website

### BENEFITS OF SPONSORING US:

- Donations are tax-deductible
- Company/institution will receive more publicity
- Donations contribute directly to funding tools, robot parts, and registration costs that serve to enrich the education of talented students.

# CONTACT INFORMATION

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Facebook: <https://www.facebook.com/WalnutValleyRobotics/>

On behalf of all of us at Walnut Valley Robotics, thank you for your generous donation and we look forward to working with you in the future!



