



# Arrowbotics

Westmont High School - Team 3482



Thank you for expressing interest in Westmont's Arrowbotics team! We appreciate the time you have taken to learn more about our program.

Our team is dedicated to developing student interests in the fields of science, technology, engineering, and math. We allow high school students to utilize curricular skills and apply them in numerous fields such as programming, web design, project management and much more. By participating in our team, members gain real world experience they would not have gotten otherwise in regular high school courses. After being a part of our team, our alumni have gone on to study engineering at top universities. Our team is relatively new and growing rapidly, so we appreciate all of the support you can give us.

We compete in a program called For the Inspiration and Recognition of Science and Technology (FIRST), which aims to inspire and recognize science and technology in students' lives. FIRST, an international organization, has been around for more than 20 years and has inspired countless students. Today, there are about 3,800 high schools that participate in this program. FIRST works to connect students to industry professionals that mentor and educate the teams. Each year, teams must build a robot to compete in short, intense games. The game changes annually, whether it be shooting baskets, climbing pyramids, or playing soccer. With just six weeks to design, construct, and test a robot, team members must work around the clock, whilst balancing schoolwork in between. This year, we placed eighth out of 60 teams for the 2017 Silicon Valley Regional — one of the most competitive events across the nation — finishing in the Quarterfinals as alliance captains.

We hope to continue on this path to success, but we can only do so with the help of our sponsors and mentors. One of the ways you can support our team is financially. We use donations from our sponsors to purchase the tools and materials necessary to construct our robot. To show our gratitude, we include advertisements on our robot which are seen at national and televised events. We are also in need of mentors with experience and training in the areas of mechanical design, marketing, fundraising/outreach, project management, and programming. Any level of support offered will help us on our mission to educate the students of Westmont High School and prepare them for the growing presence of technology in our modern world.



# Arrowbotics

Westmont High School - Team 3482



## **What we represent**

Our FIRST robotics team, Arrowbotics, was founded at Westmont High School in 2010 by a group of high school seniors. The following year all those seniors graduated, and a group of students new to robotics, along with our school's Vice Principal, set out to reboot the team. Since then, we have grown to over 40 members and have learned a great deal about what it takes to build a robot. It's been a bumpy road, but this group of high school students set out to create a truly teen-led club, where student leaders work on the project management framework as well as the actual design and building of the robot. We have become by far the largest and most successful STEM club at Westmont. To share our passion for engineering, we have visited middle schools, elementary schools, and various fairs. Arrowbotics is here to stay, and here to inspire the next generation of problem-solvers and decision-makers.

## **Through the program, students are able to:**

- Apply engineering skills to design, build, and operate robots for regional competitions.
- Learn how to use Computer Aided Design and other engineering software
- Use JAVA to program robots that can be operated remotely or autonomously
- Obtain hands on experience with collaborative problem solving
- Reach out to the local community
- Network with industry engineers

## **Team Organization:**

- 40 members
- 4 mentors
- 4 teachers

## **Team Impact:**

- Alumni studying in STEM fields at top universities
- Started and mentored a First Lego League (FLL) Team at Rolling Hills Middle School
- Participation in Community Events such as Silicon Valley Robotics Block Party and the Bay Area Parent's STEM fair



# Arrowbotics



Westmont High School - Team 3482

As a FIRST Robotics Team, there are many costs associated with running a team. Below is a list of specific items that the team is fundraising money for, in addition to the general costs associated with running the team.

Item	Cost
Initial Competition Registration	\$5000
Second Competition Registration	\$4000
Robot Materials	\$5000
Tools and Shop Materials	\$2000
Travel and Lodging	\$2500
Food	\$1000
Off Season Events	\$500
Marketing Materials and T-shirts	\$300
<b>TOTAL</b>	<b>\$20,300</b>

Beyond material costs the team is also in need of mentors that could help in the following areas.

Mentor Needs	Role Description
<i>Mechanical</i>	Help the students build a robot for competition
<i>CAD/Design</i>	Teach students on the team the principles of design and how to use CAD
<i>Programming</i>	Work with students to program robot for competition
<i>Finance</i>	Help students with budgeting, manage team funds, and assist with fundraising
<i>Marketing</i>	Assist with team marketing and creating a team business plan
<i>Website</i>	Teach students how to build and manage a website
<i>Graphic Design</i>	Create banners, logos, team handouts, and t-shirts for a team brand
<i>Travel Logistics</i>	Organize the team travel to regional events



# Arrowbotics



Westmont High School - Team 3482

## Degree of Sponsorships

### **Diamond Donor: (\$5000+)**

- Logo on Robot
- Name and logo on Shirt
- Name and logo on website
- Name and logo on banner
- Team representatives with robot will attend up to two events for your company (conferences, training events, etc.)
- Receive a signed, customized team picture

### **Platinum Donor: (\$2500 - \$4999)**

- Logo on robot
- Name and logo on shirt
- Name on website
- Logo on banner
- Team representatives with robot will attend one event for your company (conferences, training events, etc.)

### **Gold Donor: (\$1000 - \$2499)**

- Logo on robot
- Name and logo on shirt
- Name on website
- Logo on banner

### **Silver Donor: (\$500 - \$999)**

- Logo on robot
- Name on shirt
- Name on website
- Logo on banner

### **Bronze Donor: (\$250 - \$499)**

- Logo on robot
- Name on shirt
- Name on website

### **Individual donor: (\$249 and below)**

- Name on website



# Arrowbotics



Westmont High School - Team 3482

## Sponsorship Information

4805 Westmont Ave, Campbell, CA 95008

[www.Team3482.com](http://www.Team3482.com)

Business Name: \_\_\_\_\_

Contact Person: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Phone: (\_\_\_\_\_) \_\_\_\_\_ Email: \_\_\_\_\_

Business Website: \_\_\_\_\_

(Please print or type so that we can accurately include your information)

Please make checks payable to: Westmont High School with "Robotics" in the memo line  
Federal Tax ID #: 94-2239786

Please feel free to direct any questions to [team3482@gmail.com](mailto:team3482@gmail.com)

Thank you!