



FRC Team 6036: Peninsula Robotics

Fundraising Packet

2018-2019

What is FIRST?

FIRST, an abbreviation for For Inspiration and Recognition of Science and Technology, was founded in 1989 by Dean Kamen to inspire students to pursue and prepare for careers in STEM fields. Since its inception and first competition in Manchester, NH, USA, it has expanded into four divisions: FIRST Lego League Jr, FIRST Lego League, FIRST Tech Challenge, and FIRST Robotics Competition. Despite catering to different age groups, all four divisions seek to teach students various skills in the science and engineering fields. In these competitions, teams of students are tasked to build a robot that adequately performs a series of varied tasks in a game, which would then compete among other teams regionally, nationally, and internationally in various competitions. In the process, students also learn skills of sportsmanship, communication, and citizenship, all of which embody the idea of gracious professionalism - the heart of FIRST.



What is FRC?

FRC, also known as the First Robotics Competition, is a robotics competition in which teams of high school students (grades 9-12) compete to build a robot to do various offensive and defensive tasks on a large field. The tasks comprise a theme for the competition, which changes annually. The FRC community, as well as individual FIRST teams, seek to promote science and engineering skills in their local communities. The top-performing teams get to advance to the international championships level, in either Houston, TX or Detroit, MI (depending on team location).

What is Peninsula Robotics?

We are a FIRST Robotics Competition (FRC) team founded in 2015 in Palo Alto, California, the heart of Silicon Valley. Over the years, the FRC teams at local high schools became increasingly overcrowded, therefore Peninsula Robotics was founded to relieve this pressure and provide everyone who wanted to participate in robotics the chance to do so. At first, our team consisted of 14 passionate members with a few mentors. However, after just three years, our team has evolved into a close knit family consisting of 35 members. Unlike most FRC teams, we allow everyone in the group to participate in working on any "part" of the robot. In other words, everyone is allowed to work on different divisions in the robotics team, whether it's mechanical, programming, or business. Another aspect that makes our team "special" or "different" is that we are a community team rather than a high school-based team. This means that anyone interested can join our FRC team, coming together with those with similar interests in robotics, creating an open environment. Being a community team also shows how independent we are. As a community team, we have no support from a school and must manage our finances ourselves.

Our Past Season



As a rookie team with no prior robotics experience, we performed extremely well at the regional competition we attended (the Silicon Valley Regional, or SVR). In 2016, our robot progressed to the final playoff rounds at the competition, where only 24 teams of the nearly 70 in attendance played, vying for a chance to attend the World Championships, in Saint Louis. Our performance at SVR proved that a simple robot with an effective design and skillful driving can be very successful against other, more expensive, robots. Our second year as a team, we became alliance captains, giving us an automatic seat to the final playoffs. Becoming an alliance captain

signifies that we were placed in the top 10 teams against 70 other teams at the San Francisco Regional in 2017. This past year, our team competed once more at the San Francisco Regional where we made it to the playoff rounds again and continued to the semifinals where only 12 of the 45 teams competed.

Future Plans

After competing in the 2016 SVR competition and surpassing our initial goals for the season, we want to lay the foundation of a sustainable and inclusive robotics team associated with the community. We believe that additional competitions will provide valuable experience for, and help train, new and existing team members. We also hope to expand our team and most importantly, continue to share our enthusiasm for STEM with the local community that has so generously supported us. In the future, we plan to set up a booth at a family science night at a local elementary school to share our experiences and demonstrate our robot. As a team we are very excited to share the FIRST experience and STEM with young Palo Altans and the community at large.

How You Can Help Support Us

In order to realize our plans for the future, we will need the support of generous donors. We were fortunate enough to have adequate funding for our first two seasons, but we now need your help to fund the team's progress. Your donations, whether monetary or in-kind, will support the team in a wide variety of ways, from securing tools and materials, funding outreach programs, and registering for competitions. For specific details, please see the team budget for the past 2017-2018 season, the upcoming 2018-2019 season, as well as the levels of sponsorship, all detailed below.



Team Budget

2017-2018 Budget

2017-2018 Income		2017-2018 Expenses	
2016-2017 Season Balance	\$5,632.38	FRC SVR REGISTRATION/KOP	\$5,000
Apple Grant	\$5000	CalGames	\$600
Applied Material/ Donation	\$1000	Tools Mechanical	\$312.95
BAE Grant	\$1,500	Summer Drivetrain	\$728.70
Amazon Smile Donations	\$80.64	MISC Screws and Nuts	\$45.33
Qualcomm	\$1,500	Sprockets for Climber	\$36.05
Parent Donations	\$4,165.15	T-Shirts	\$179.10
Google Match Grants	\$600	Wheel Replacements	\$255.71
Google Grant	\$3,000	FRC SFR REGISTRATION	\$4,000
KLA-Tencor Versaic Grant	\$1,500	Non-Profit SI-100	\$20
NVIDIA Grant	\$500	2018 Game Expense - Robot Materials	\$1798.82
Car Donation	\$640		
Apple Volunteer Hours Donation	\$100		
WSGR Grant	\$3,000		
Financial Engines/Parent Match	\$175		
Parent Donations for Matching	\$125		
Total	\$28,457.99	Total	\$18,276.66

2018-2019 Projected Budget

2018-19 Income (Planned)		2018-19 Expenses (Planned)	
2017-2018 Season Balance	\$10,176.69	FIRST Registration/SVR	\$5,000
Apple Grant	\$5,000	SFR Registration	\$4,000
Amazon Smile Donation	\$7.89	2018 Off-Season	\$1,053.19
Google Grant	\$3,000		
Parent Donation	\$500		
Applied Materials	\$1,000		
Total	\$19,684.58	Total	\$10,053.19

Sponsorship Benefits

Platinum Sponsor: \$3000+

- + End-of-year celebration invitation
- + Logo on front page of website
- + Every benefit from Gold Tier and below

Gold Sponsor: \$1000 - \$3000

- + Logo on robot
- + Robot demonstration
- + Every benefit from Silver Tier and below

Silver Sponsor: \$500 - \$1000

- + Logo on pit banner
- + Every benefit from Bronze Tier

Bronze Sponsor: \$1 - \$500

- + Logo and link on sponsorship page of team website
- + Logo on team shirts
- + Social media "Shout-out" via team Facebook and Twitter pages

Contact us

Website

<https://team6036.github.io/>

Team Email

frc6036@gmail.com

Twitter



twitter.com/frc6036

Facebook



facebook.com/frc6036

Instagram



<https://www.instagram.com/frc6036/>

Lead Captain's Contact Information

Kate Lee

kate.l.33757@gmail.com

(650) 387-9951

Lead Mentor's Contact Information

Pamela Morgenfeld

morgenfeld@sbcglobal.net

(650) 387-9576

Chung Lee

chungyul.lee@gmail.com

(415) 845-5898

Sponsorship Information

Palo Alto Youth Robotics Association

payouthrobotics@gmail.com

947 Colonial Lane

Palo Alto, CA 94303

EIN: 47-5452651

FRC Team 6036: Peninsula Robotics thanks you for considering our application!

