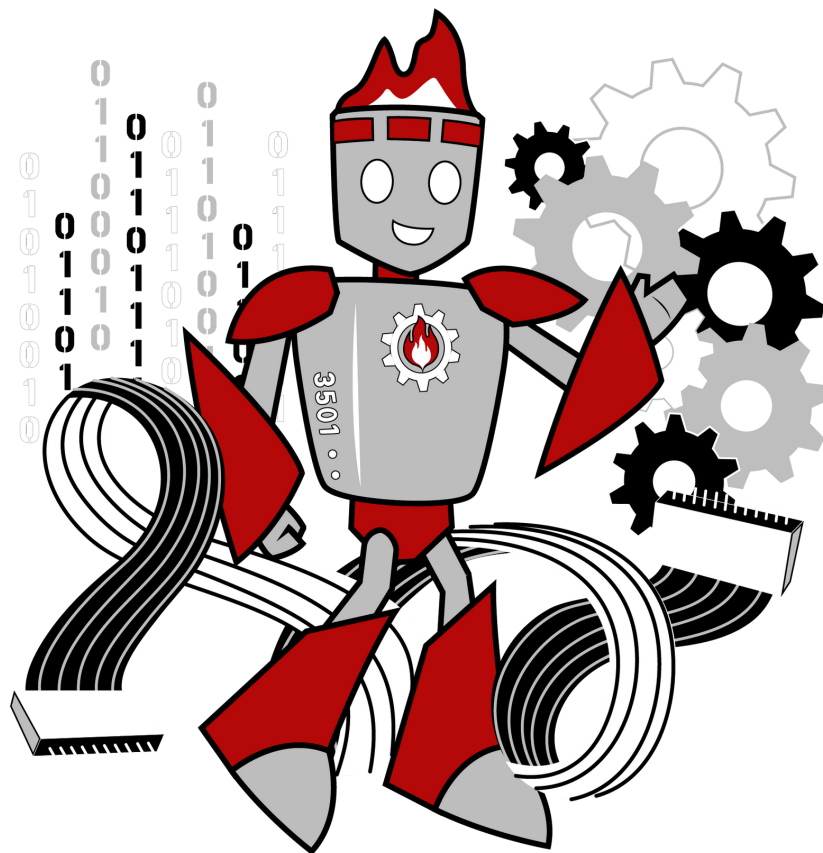


Fremont High Robotics
Sunnyvale, CA
FRC Team #3501

2022 - 2023

Team 3501 Firebots Outreach Binder



3501
FIREBOTS

#1: FTC Discovery Day at CSU Eastbay

05/07/2022 | 11:00a - 2:00p

CSU Eastbay

5800 Carlos Bee Blvd, Hayward, CA 94542

After a season of successful competition, the Emberbots demo-ed their robot at Discovery Day, CSU Eastbay. On this clear sunny day, our 3 presenters reached youth across a variety of ages on their Freight Frenzy robot. Through interactive robot demos and presenting to adults and children alike, we expanded our community to hundreds of visitors who keenly listened about our FTC Programs.



~3000
Attendees

Goal: Introduce our FTC programs
to youth across ages



3
Student Volunteers

1
Mentor Volunteer



#2: Los Altos STEM Fair

7/16/2022 | 10:00a - 3:00p

Los Altos History Museum

51 S San Antonio Rd, Los Altos, CA 94022

~800
Attendees

Goal: Spark interest in STEAM and
Robotics in local youth



8
Student Volunteers

1
Mentor Volunteer



At the Los Altos STEM Fair, Fremont High Robotics members set up a booth and demonstrated the 2021 FRC competition robot along with FRC teams 100 Wildhats and 114 EagleStrike on a small scale field. Member volunteers provided visitors with information regarding FIRST, primarily focussing on FLL as visitors had questions on how to involve their children in STEAM. Members also covered information about the Fremont High Robotics Organization, discussing the team structure, and shared their experiences with getting involved in FIRST and their interest in STEAM.

#3: Firebird Fiesta

08/16/2022 | 1:30p - 2:00p

Fremont High School

575 W Fremont Ave, Sunnyvale, CA 94087



200
Attendees

Goal: Recruit freshman at school orientation to join our team

6
Student Volunteers

Mentor assistance not needed

At Fremont High School's annual freshmen orientation event, the Firebird Fiesta, Fremont High Robotics members set up a booth with robotics merchandise and demonstrated the 2021 FRC competition robot in front of passing students. We informed the incoming students about what robotics is like, the multiple different subteams to join, and how they did not need any prior experience to try out. We provided interested students with our team contact information and the interest form for tryouts in September. By the end of the event, we had passed out over 40 contact cards and had about 80 total interested students fill out the form by the end of the day.

#4: Panda Picnic

09/09/2023 | 5:30p - 7:30p

Stockmeir Elementary School

592 Dunholme Way, Sunnyvale, CA 94087

~800
Attendees

Goal: Introduce local elementary school to robotics



7
Student Volunteers

Mentor assistance not needed

At Stockmeir Elementary School's annual Panda Picnic event, Fremont High Robotics members presented information about robotics at a booth and demonstrated the 2021 FRC competition robot for parents and students passing by. Volunteers had the opportunity to interact with the robot by feeding it game pieces and receiving them. We provided attendees with information on FIRST and Fremont High Robotics, and our experiences in joining FIRST and interest in STEAM. Many parents were interested in having their children be involved in robotics, and members provided pamphlets on information on our team structure as well as local teams for parents to look into.

#5: Sunnyvale Heritage Museum

09/10/2022 | 10:00p - 4:00p

Sunnyvale Heritage Park Museum

570 E Remington Dr, Sunnyvale, CA 94087

1500
Attendees

Goal: To introduce Fremont High Robotics to local members of our community



9
Student Volunteers

Mentor assistance not needed

At the Sunnyvale Heritage Museum's "A Walk Through Time" fair, Fremont High Robotics demonstrated the 2021 FRC competition robot and presented about FIRST and the FHS Robotics Organization. Attendees had the opportunity to interact with the robot by both driving and interacting with game pieces. Parents asked questions about how to find opportunities for introductions to STEAM and members shared their experiences in joining FIRST as well as their involvement in STEAM.

#6: FHS FLL Tournament

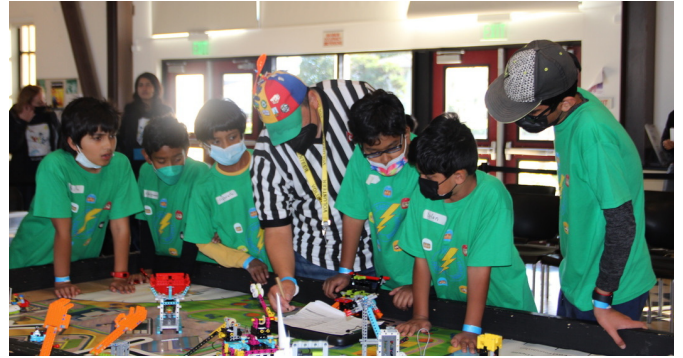
11/12/2022 | 8:00p - 7:00p

Fremont High School

575 W Fremont Ave, Sunnyvale, CA 94087

250
Attendees

Goal: To host a exciting FLL
Tournament



At Fremont High School, we hosted an FLL tournament, bringing over 250 students, mentors, and parents together for a fun day of Lego robotics! Across the cafeteria and small gym, teams competed and cheered their way to success. Fueled with a fun edited video, interactive activities, and Firebot power, our volunteers ensured hours of exciting fun and engagement in the youth.

#7: Bolly Night

11/05/2022 | 5:00p - 9:00p

Fremont Union High School District Office
589 W Fremont Ave, Sunnyvale, CA 94087

~100
Attendees

Goal: Bond our community
through music and dance



18
Student Volunteers

1
Mentor Volunteers



Fremont High Robotics hosted Bolly Night at Fremont High school, a cultural event with the goal of increasing the sense of community between team members, friends, and family. Attendees enjoyed an evening of music, dance, fun, and food. In addition to team bonding, the event raised hundreds for the team. It was a great opportunity to raise awareness for Fremont robotics and have a team building activity for current team members.

#8: Google FLL Qualifier Demonstration & Volunteer

11/19/2022 | 1:30p - 2:00p

Google

1911 Landings Dr, Mountain View, CA 94043

350
Attendees

Goal: Present Fremont High Robotics to local FLL teams



7 Students
Volunteers

2
Mentors



Fremont High Robotics had the opportunity to demonstrate the 2021 FRC competition robot as well as talk to attendees about the organization and FTC and FRC. Attendees enjoyed the opportunity to engage with the robot and members presented their personal experiences in FIRST and their interest in STEAM. Members

#9: FHS Environmental Club

11/21/2022 | 1:30p - 2:00p

Fremont High School

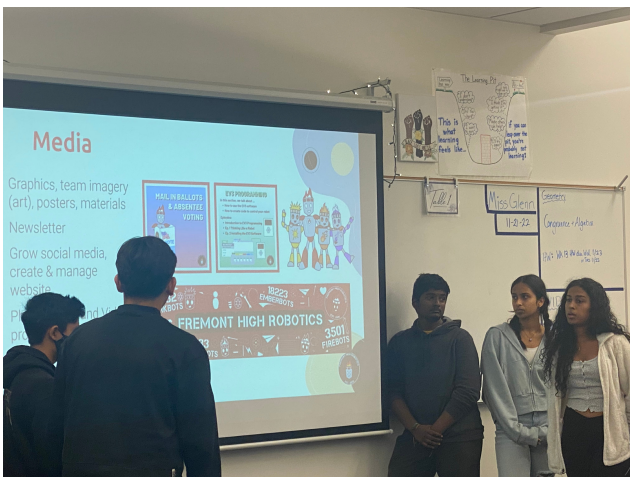
575 W Fremont Ave, Sunnyvale, CA 94087

30
Attendees

7 Students
Volunteers

Goal: Increase FIRST awareness to school clubs

At Fremont High Robotics' event with the Environmental Club at Fremont High School, the Sparkbots presented to Environmental Club members about the organization and FIRST. The team focused on presenting about FTC, and the team structure. The team also discussed how robotics is being used to improve environmental issues such as sea level rise, waste, and agricultural sustainability. Together, both clubs learned about Harvard's ROMU robot which drives metal plates into the sand to create a barrier for sea level rise.



#10: FHS Programming Club

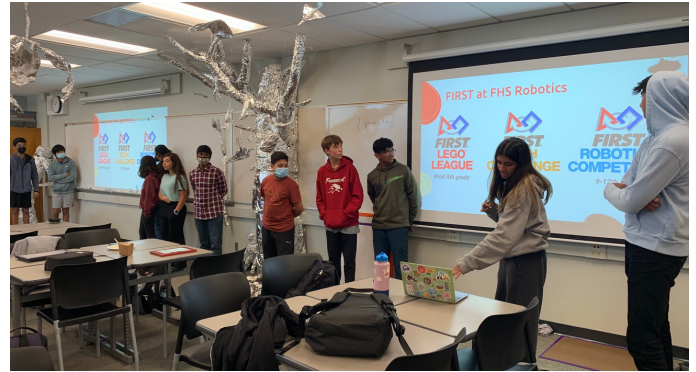
11/28/2022 | 1:30p - 2:00p

Fremont High School

575 W Fremont Ave, Sunnyvale, CA 94087

~30
Attendees

Goal: Increase FIRST awareness to
school clubs



11
Student Volunteers

The Fremont Programming Club has around 30, highly motivated members that like to learn about coding and technology. The FTC Infernrobots met with the Programming Club and used slides to convey the structure and values of Fremont Robotics. The presentation also covered our design and build process, how we write software, and how FIRST competitions work. The meeting cordially closed with a short interactive coding simulation.