

### Our BaM Writers:

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We've started off 2022 with a successful January for Fremont High Robotics! Our dedicated team members are coming in for hours each week, working hard towards competition or supporting their sibling teams while they wait for what's next to come. We are incredibly proud and look forward to another great month!

## Team 3501 Firebots

The Firebots have been busy following FRC Kickoff. The design subteam started off with making CAD models of different components, while the other subteams began ordering parts and testing out materials. On week two, design continued working on different mechanisms and ordering parts, while manufacturing finished building the field elements for future testing. Software finished teleop and worked on finalizing test subsystems. Meanwhile, electrical decided on a board material and tested the new electrical board components. Week three was a continuation of designing mechanisms, testing, and finalizing components.



## Team 16532 Sparkbots



The Sparkbots started 2022 strong with a 9-0 tournament at Wilcox High School's FTC Qualifying Tournament. In addition to winning the Think Award and 2nd Runner Up Control Award, the Sparkbots built off what they learned from the Burlingame Tournament in 2021 to further iterate its software and make subtle adjustments to its hardware. Looking ahead, the Sparkbots look to host more outreach events and spend the time away from competition building more community connections.

# Team 16533 Infernobots

This month the Infernobots have been preparing for their first in-person competition in February. Following the engineering process, they made a nameplate for their robot using a 3D printer—with the help of their mentor. Their software team has been working on the Control Award application, as they included a speed modifier button for tele-op that they hope will make them strong contenders for the award. Additionally, we have finished all 10 of our autons, all working successfully. On the mechanical side, the Infernobots

have fixed the issues they were having with their intake mechanism and have gotten in hours of driver practice in order to prepare them for competition.



# Team 18223 Emberbots



The Emberbots finished up their first in-person tournament in November at Burlingame High School. They came runner up to the the Think Award during this event. Currently, they've been focused on improving their robot's elevator. This process also includes lots of rewiring and design to make the elevator more efficient. On the Software side, auton has been the main focus during this past month. They have been trying to perfect the robot's ability to adapt to all situations the robot may be put in during the 30 second period.

# Business and Marketing

The Business team has been preparing the Firebots' competition documents, including this year's business plan and FRC build timeline. Media has been busy working on designing merch: finalizing the design for the Firebots' team shirt and sketching merch ideas for the FTC teams. Events has been planning an in-school fundraiser for February and outreach events involving more local FTC teams.





# January Highlights



**Jan 8, 2022**

FRC Kickoff for the 2021-2022 season



**Jan 15, 2022**

Sparkbots won multiple awards at the Santa Clara Qualifying Tournament



**Jan 17 - 22, 2022**

Firebots build season week 2



**Jan 24 - 29, 2022**

Firebots build season week 3



**Jan 10 - 15, 2022**

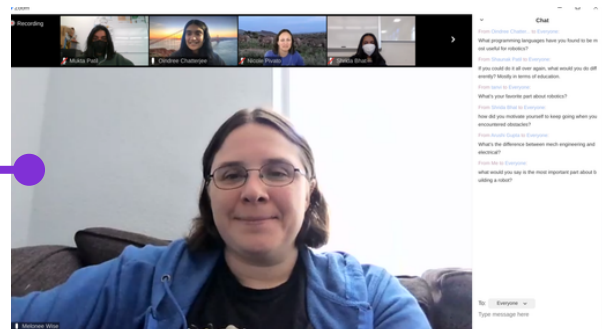
Firebots build season week 1

- P1 is cleaned and rearranged for the first time in years



**Jan 22, 2022**

Infernobots 3D printed their robot number sign (with ducks on it too)



**Jan 27, 2022**

Emberbots held a guest speaker event with Girls Who Code to talk with the CEO of Fetch Robotics, Melonee Wise