

FRC Team 2637

# Peninsula Robotics E-Newsletter



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January, 2022



## 2022 Kickoff!

The season begins with the Kickoff event, where they announce the game along with the rules and regulations. The name of this season's Game is Rapid React, where the robot, alongside the driveteam themselves, compete to score balls in a central hub. The team reviewed the game manual and began brainstorming game strategies. Now that the build season has begun, each subteam is working toward building the robot.

Also this month, our team has chosen our nominees for the Dean's list Award and the Woodie Flowers Award. The Dean's List award recognizes leadership and dedication in FIRST's outstanding students. Mentors are being nominated for the Woodie Flowers Award as well. This award recognizes mentors within FRC for exemplary communication in engineering and design. This year for Dean's list, we have nominated Charlotte Chung and Mason Kramer. For Woodie Flowers, we have nominated Mr. Hashiro.

In addition to the start of the 2022 season and the nominations for Dean's List/Woodie Flowers awards, we received the Mayor's Award for best Local Entry for the Palos Verdes Peninsula Parade of Lights.





## Subteam Logs

*A weekly update from each of Team 2637's individual subteams*

### **Systems:**

**Manufacturing:** For the new game robot, members have been prototyping various mechanisms to evaluate which one is most effective.

**Design:** The design team has been working on parts for the robot that will be utilized in the upcoming game.

**Programming:** The programming team in programming has been putting in a lot of effort into the autonomous code. The team has been testing the code on a robot, trying to get to know it better. They hope that the robot has a lot of speed without much torque eventually.

**Electronics:** The electronics team has been preparing and wiring the drivetrains, as well as establishing CAN nodes and organizing all of our new parts and electronics.

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**Business:** The business team has been developing a plan for the Entrepreneurship Award as well as helping the team have a successful build season.

**Outreach:** The outreach team has been working on reaching out to the underrepresented students through STEM Camps and drives. The Chairman's Award presentation is currently in process. The FLL Team 54040 sponsored by FRC Team 2637 won a grant from Qualcomm for next year.

**Safety:** The safety team has been keeping everyone safe from COVID has been the safety team's top priority and members have been facilitating new guidelines for the team to follow. Additionally, the team has been working on updating the team's safety manual.

**Strategy:** The strategy team planned and hosted the 2637 kickoff and they are now forming new strategies for this season. The team has been forming new requirements to build the robot for the new game.

## Upcoming Dates:

### Team Meetings:

Wednesdays: 4:00pm-8:00pm

Fridays: 3:00pm-7:00pm

Saturdays: 10:00am-6:00pm

**Regional:** N/A

[Check the calendar](#)

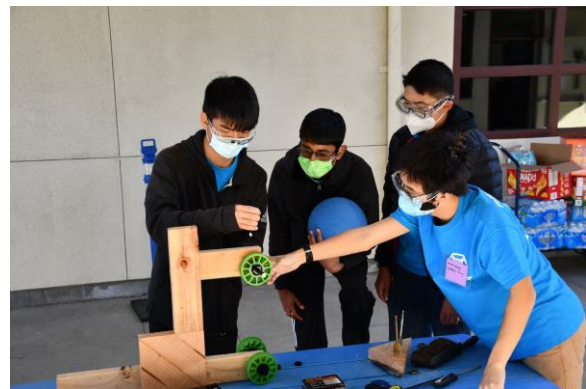
## Fun Robot Fact:

Our Anti Sigma robot is named after the Claudian alphabet, anti sigma. These letters were developed by the Roman Emperor Claudius. Three new letters were added to the Latin alphabet.

## Extra Information:

### What Happened at Kickoff:

Members were divided into small groups to work on different parts of the new game. This was very efficient since students came up with many creative game strategies and prototypes, while the business side was able to work on upcoming awards' presentations. Team members put lots of effort into making this season be successful while strengthening bonds with each other.



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