

Robotics

What exactly is this club all about???





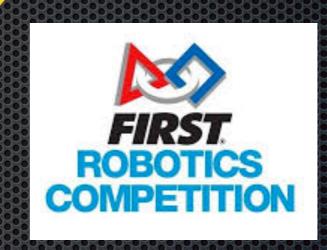


FIRST and FRC







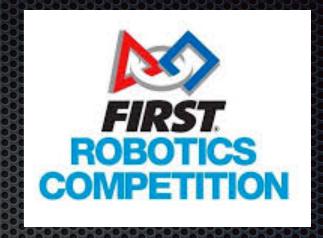








FIRST and FRC





- 125 lb robots
- ~4,000 teams around the world (2019)
 - Participate in competitions around the country

Our team

Team name: Rebel Robotics

■ Team #: 2638

Founded during the 2007-2008 season





Our team - Mentors





"Motch"



Mr. Corrigan



Mrs. Zinn



Mrs. Dressner









"Big Mike" | "Squeegee" | Tom Donlon | Robin Fleishman

How FRC Works - Overview



How FRC Works - Overview



Design & Building



Programming

Technical



Computer Aided Design



Scouting/Strategy

How FRC Works - Overview

Non-Technical



Award Books



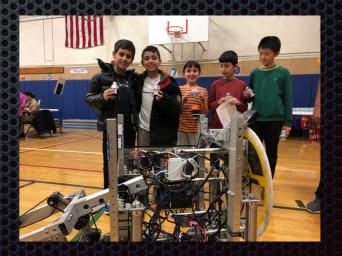


Digital & Social Media



Merch

https://www.gnsrobotics.com/merchandise/



Outreach

How FRC Works - Robot Game

It's NOT BattleBots!



How FRC Works - Robot Game

- In FRC, we are tasked to build robots to accomplish certain tasks. It's like playing a game with robots
- Each year, there's a different theme to the game



2019 Game





https://www.youtube.com/watch?v=Mew6G_og-Pl

How FRC Works - Competitions

- At competitions, we compete with other teams who have built robots to accomplish the tasks
- By completing these tasks, teams earn points



This Year's Game

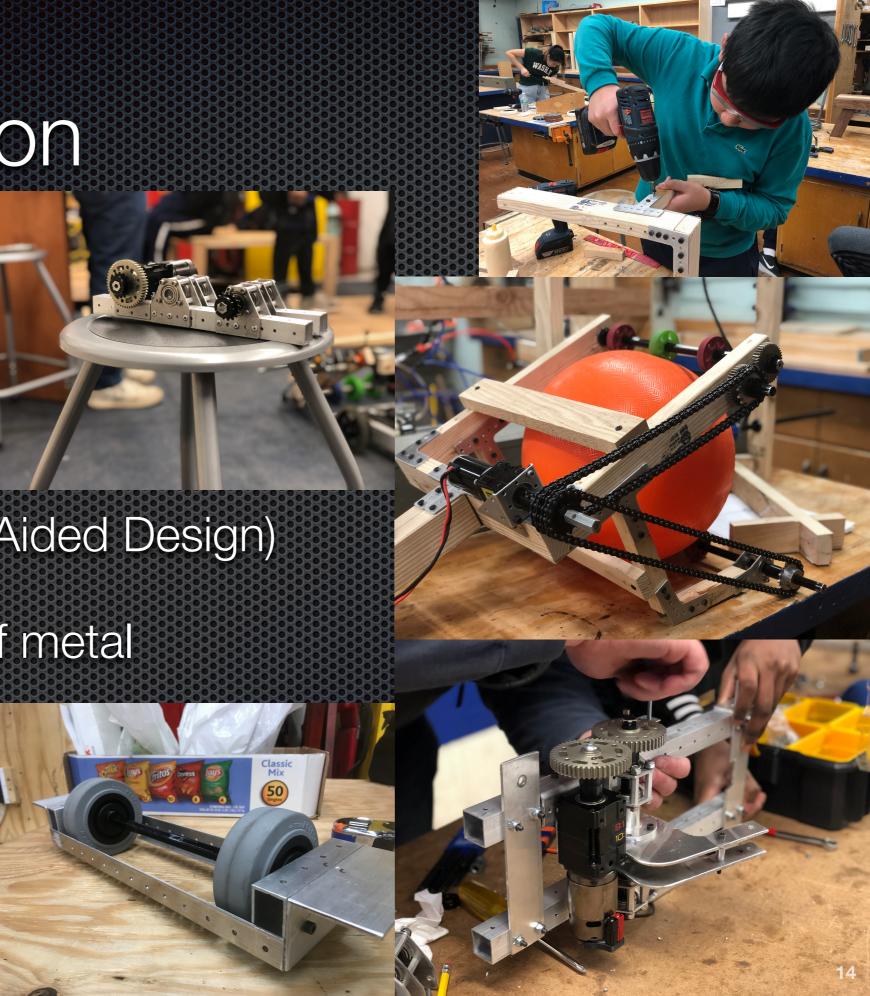


This Year's Schedule???

- September December: Informational meetings, workshops (machine lessons, tool lessons, etc.)
- Jan 2020: Kickoff day! The rules to this year's game, Game Changers, are revealed. We can now begin work on the robot
- Build Season (Jan mid-Feb): This is the time when we actually build the robot
- March & April: Two regional competitions
- **Early August:** World Championships (if we make it...)

Build Season

- Strategy
- Prototyping
- CAD (Computer Aided Design)
- Fabrication out of metal
- Programming
- Drive testing



Common Questions

Do I need to know anything about robotics beforehand?

Are there tryouts?

Is it true that I will need to stay every day during the Build Season until late at night?

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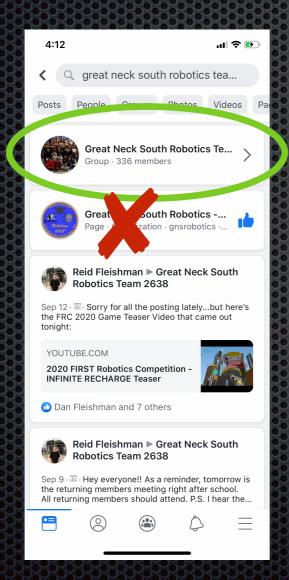
Are there tryouts?

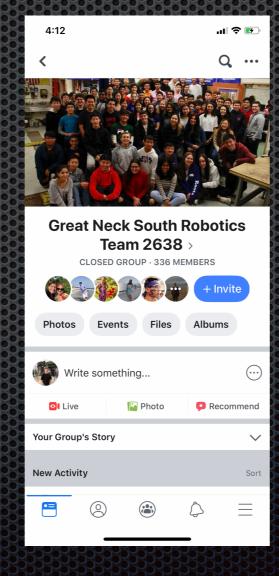
Is it true that I will need to stay every day during the Build Season until late at night?

Facebook and Discord

Facebook: gnsrobotics.com/facebook

Discord: gnsrobotics.com/discord







Team Resources

- Members Website: gnsrobotics.com/members
 - Many, many things will be posted on here, including important announcements
 - There are also resources to help you learn

Other Tidbits

- Instagram: @rebelrobotics2638
- Team Website: gnsrobotics.com
 - There's a lot of nice stuff on here. I suggest you browse through it a bit.
- iMessage Sticker Pack: https://apps.apple.com/us/app/2638-stickers/id1460620834
- Team pics since 2008 (for your enjoyment): https://www.gnsrobotics.com/media/photos/