Robotics
What exactly is this club all about???
FIRST and FRC
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- 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

Technical

Non-Technical
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 almost like playing a game with robots.

- Each year, there’s a different theme to the game.

- At competitions, we compete with other teams who have built robots to accomplish the tasks.

- By completing these tasks, teams earn points.
How FRC Works - Robot Game

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

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

Last Years Game

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

https://www.youtube.com/watch?v=_F-yXQfXpwU
This Year’s Game

https://www.youtube.com/watch?v=1y9PNhVAGmM
This Year’s Schedule

- **September – December:** Informational meetings, workshops (machine lessons, tool lessons, etc.)

- **Jan 4th, 2020:** Kickoff day! The rules to this year’s game, Infinite Recharge, are revealed. The rules are posted and we can now begin work on the robot.

- **Build Season (Jan 4th – mid-Feb):** This is the time when we actually build the robot.

- **March (and maybe April):** Two regional competitions.

- **End of April:** 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?
Common Questions

No!
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?
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/