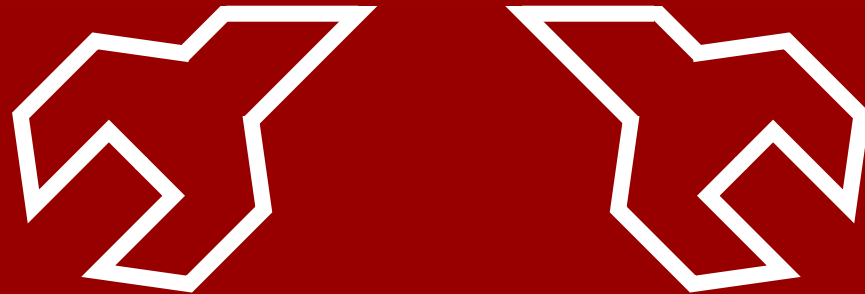
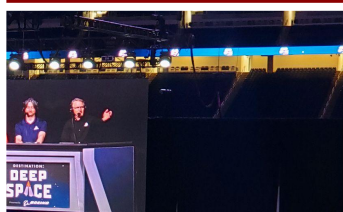
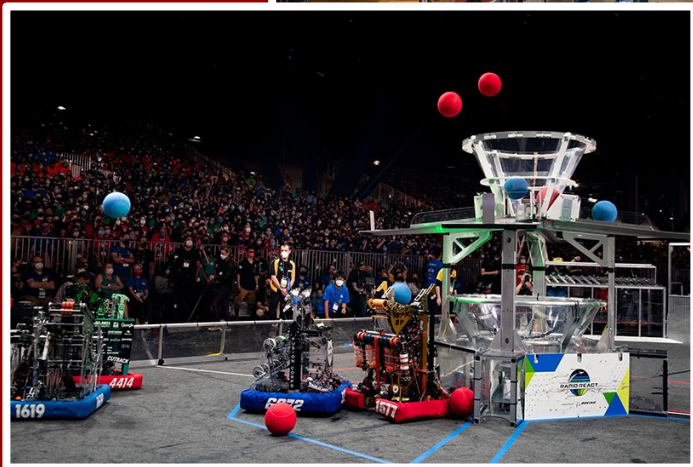
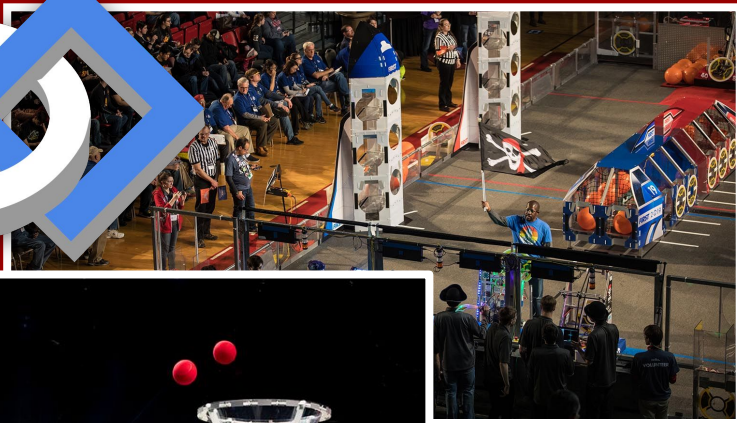
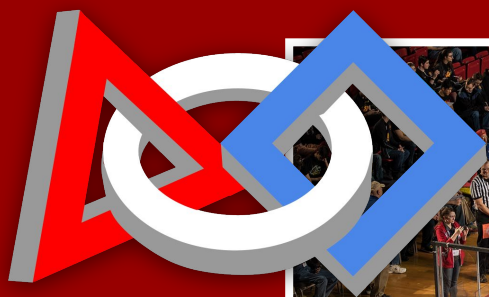


# Granby GRUNTS

FRC Team 3146





# What is FIRST?

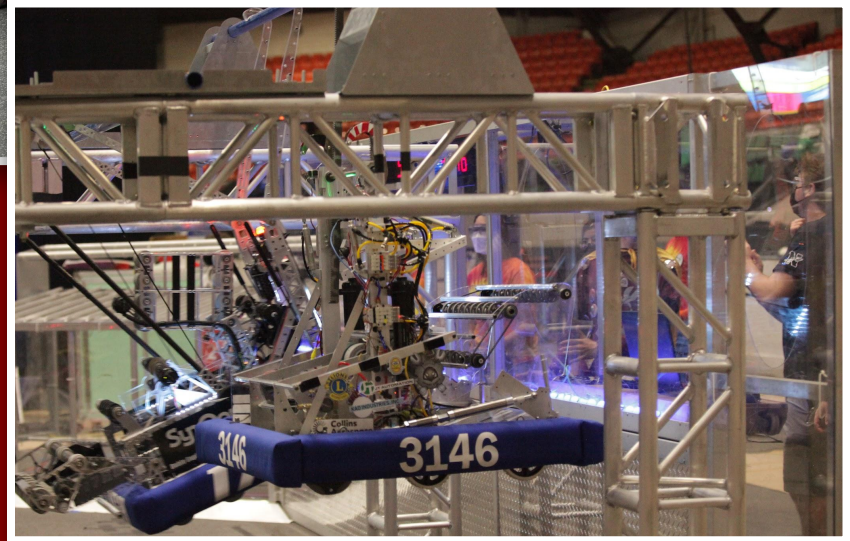
*For Inspiration and Recognition of Science and Technology*

- An organization founded in 1989 by inventor and philanthropist Dean Kamen and MIT professor Woodie Flowers
- Founded to promote student interest and cultivate talent in STEM fields
- Brings talented, like-minded students together
- Gracious Professionalism: fierce competition but still with mutual gain

# Why FIRST?

A world of opportunities—

- Soft Skills
  - Interpersonal skills
  - Leadership
  - Teamwork
  - Innovation
- Professional experience
  - Engineering
  - Computer Science
  - Business
  - Problem solving
- Scholarships - over \$80 million offered every year
- “The only sport where everyone can go pro”



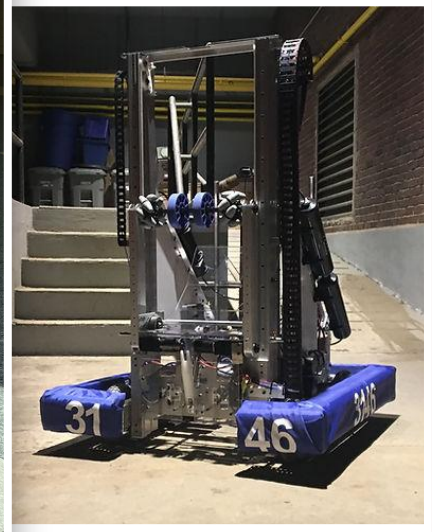
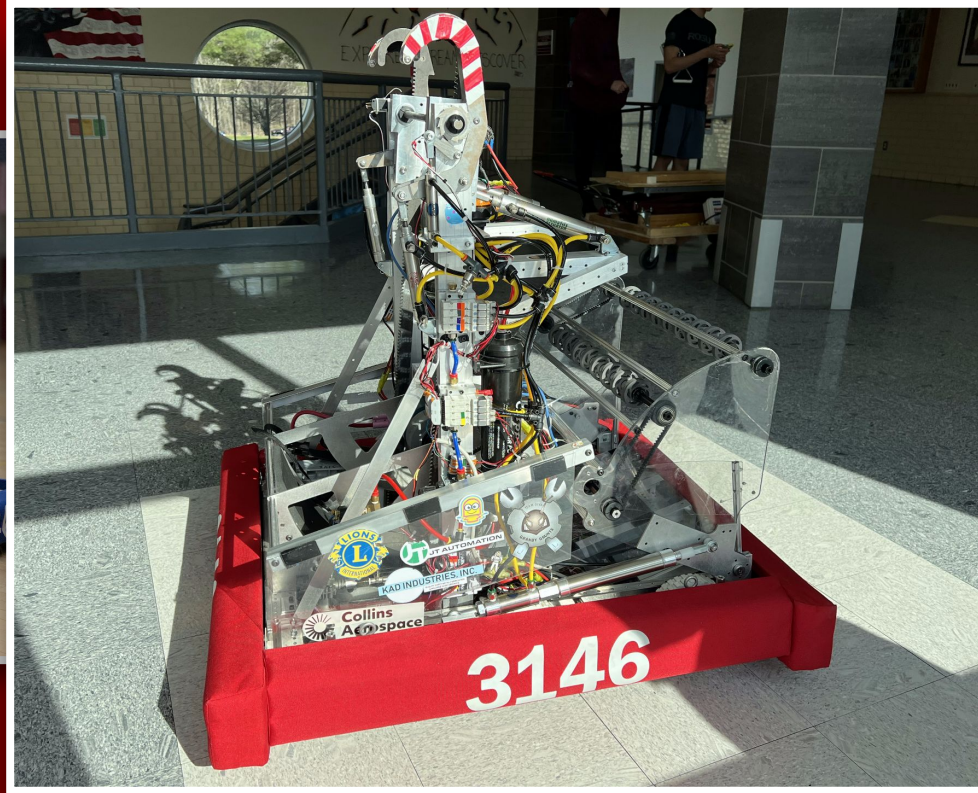
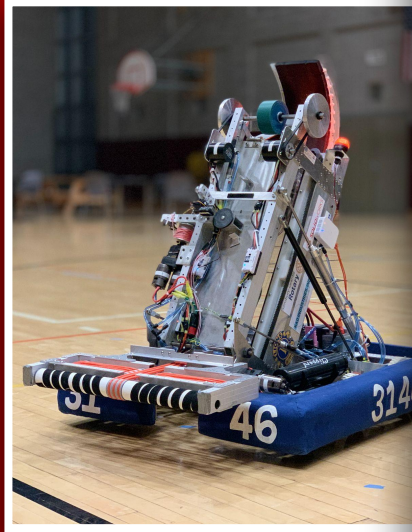


# Who are we?

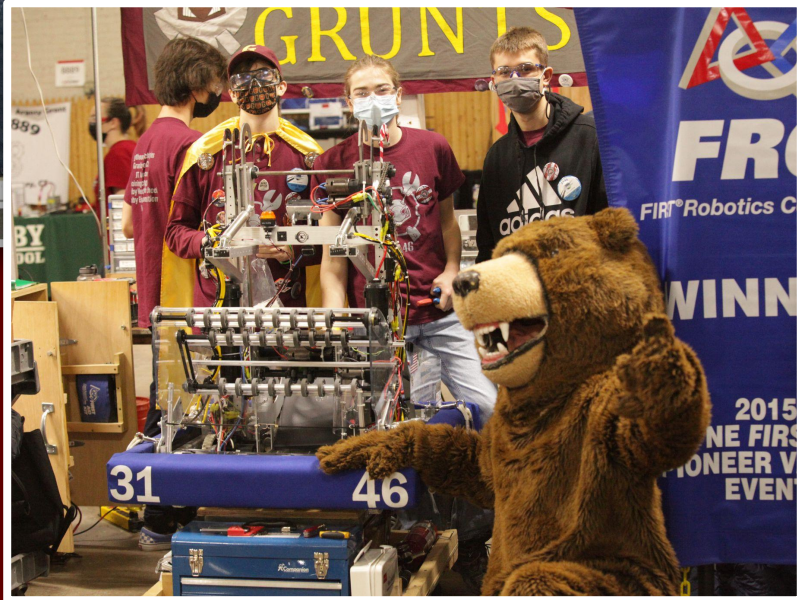
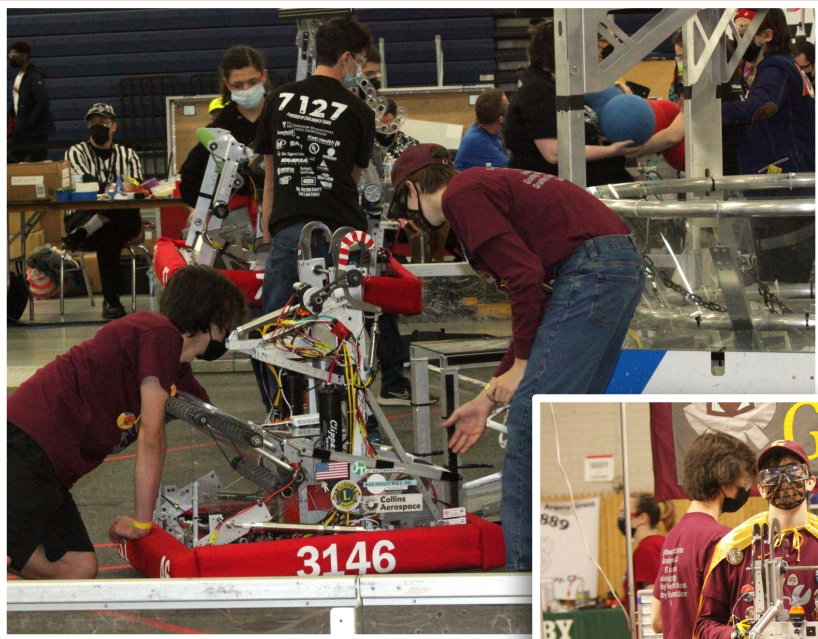


We are a FIRST Robotics Competition team

- Founded in 2009 by Don Rethke, a NASA engineer, and designer of the toilets used on the International Space Station and shuttle.
- Attended the world championship
  - St. Louis, 2015
  - Detroit, 2019
- Qualified to attend world championship in 2022



Each year we design and build a robot...



...and compete with it at events all over New England!

# The Team

- Divided into different focus groups:
  - Design and Fabrication
  - Programming and Electrical
  - Administrative and Media
  - Scouting and Strategy
- Delegated tasks completed on schedule
- Mentors
  - Guide through the process
  - Teach necessary skills



# The Season



**PRE-SEASON**

**BUILD SEASON**

**COMPETITIONS**



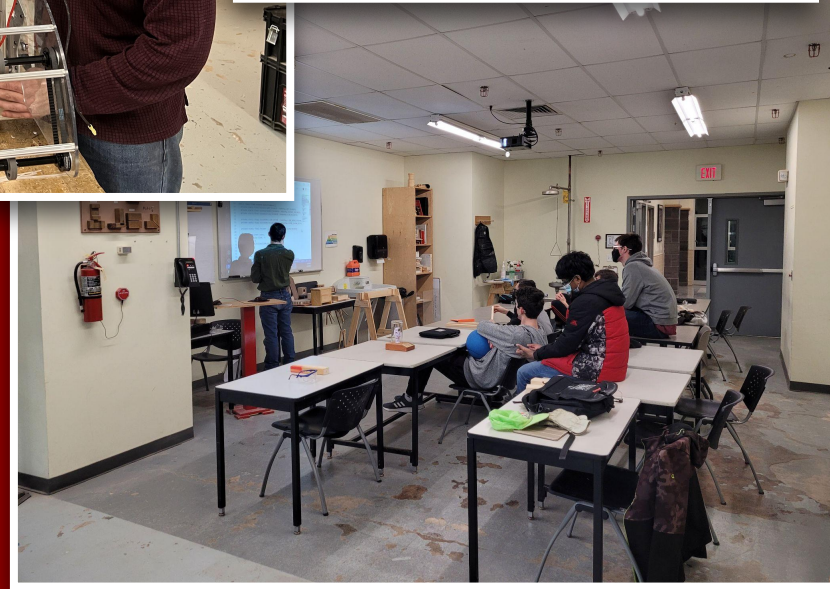
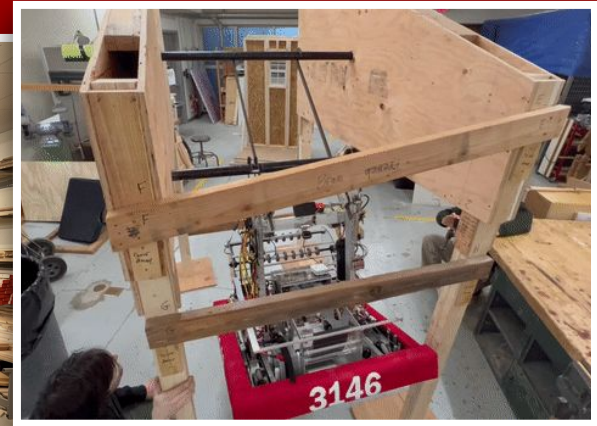
**KICKOFF**



**OFF-SEASON**



# Build Season

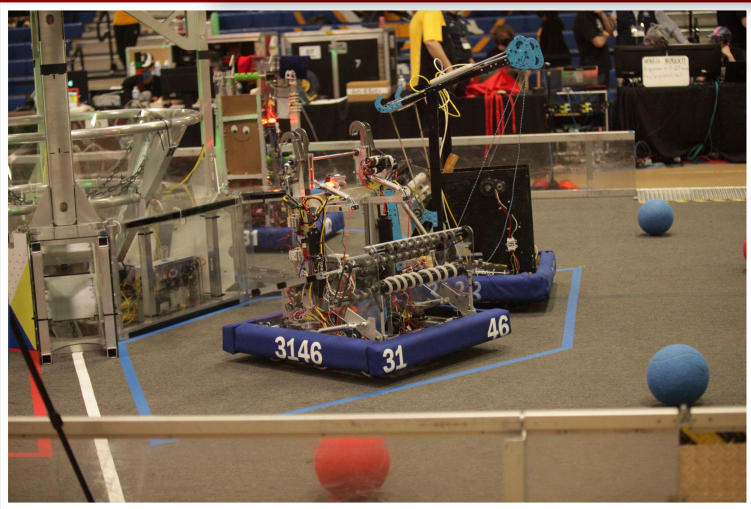


- Begins with a kickoff event explaining this season's game
- 6 weeks to plan & build our robot
- Testing & Improving design



## Competitions and Progress

- 40 teams, 80 qualifier matches to establish team ranking
- Top 8 teams based on rankings create alliances with 2 other teams to compete in elimination-style tournaments
- Each event gives your team points towards the regional competition, and a chance to make it to the world championship



# Season Summary

- Western New England University Qualifier
  - Semifinalists on Alliance 4, beating Alliance 5
- Hartford Public High School Qualifier
  - Semifinalists as captain of Alliance 3
- New England District Championships
  - Semifinalists on Alliance 6, upsetting Alliance 3 in Quarterfinals
- Overall ranked 31st out of 185 teams in New England
- Won Quality Award in Hartford Event



N.E. Districts Alliance, with team 6153 Blue Crew, and 1073 The Force Team





# Team Spirit



# Outreach Events

- Promoting STEAM in our community
- Introducing young students to the FIRST program



Simsbury Fly-In

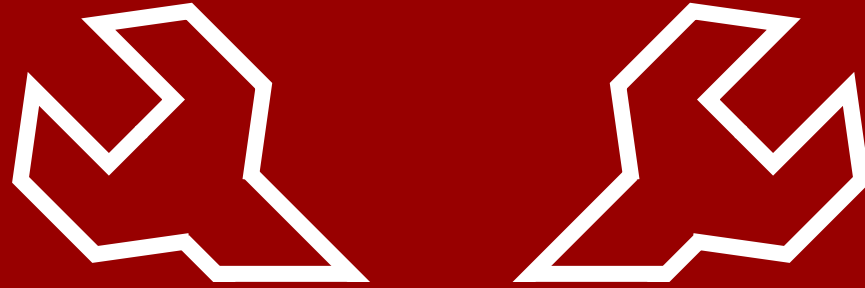


Memorial Day Parade



Kelly Lane STEAM Night





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