

XTREME HEAT



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Sponsor Spotlight

Johnson & Johnson

Congratulations to recent retiree Art Goehry. Thank you for your many years of service!



*Thank you for all your
generous support of the
FIRST Robotics Team
223!*

Contact Information:

Business Name: Team 223 Xtreme Heat

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BUILD TEAM

CURRENT PROJECTS:

- AFTER PROTOTYPING, WE ARE CREATING THE DESIGN ON CADD.
- ROBOT DESIGN IN THE WORKS: BUILD INTAKE, SHOOTER, AND TEST SHOOTER FOR CLEAREST SHOT.
- FABRICATING PARTS FOR BOTH PRACTICE AND COMPETITION ROBOTS

GOALS: FINISH CADD DESIGN AND FINISH PRACTICE BOT.

DESIGN TEAM

CURRENT PROJECTS:

- MAKING THE T-SHIRT DESIGN
- CAPTURING THE FOOTAGE
- FINALIZING NEW LOGO

GOALS: DESIGN OF DRIVETRAIN AND OVERALL ROBOT

PROGRAMMING TEAM

CURRENT PROJECTS:

- PROTOTYPING ROBOT
- TEACHING TEAM 265 HOW TO PROGRAM

GOALS: COMPLETE "RASBERRY PIE"

PLANS: ACHIEVE GOALS IN TIMELY MANNER

BUSINESS TEAM

CURRENT PROJECTS:

- WEBSITE UPLOADS
- GETTING SPONSORS
- DONATIONS OF FOOD
- KEEPING SOCIAL MEDIA UP TO DATE
- UPDATING DOCUMENTS

GOALS: GET DINE TO DONATE FORMS OUT TO EVERYBODY, PERFORM EFFICIENTLY AT COMPETITIONS, AND SPREAD STEM THROUGHOUT OUR COMMUNITY ENJOY THIS SEASON!



Parent Updates:

**Dine and Donate for
(Lakeland Robotics Team 223)**
**YOU MUST PRESENT THIS FLYER FOR THIS DONATION TO
COUNT!!!**

*** Money raised will benefit the students of the Lakeland Robotics Team 223 to send us to the national competition.***

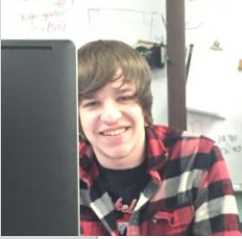
By dining at Thatcher McGhee's of Pompton on
(Monday January 23 - Thursday January 26)
The (Lakeland Robotics Team 223) will receive
20% of the sales!

crumples up project and throws it out

"Do better" - Pete Sobel

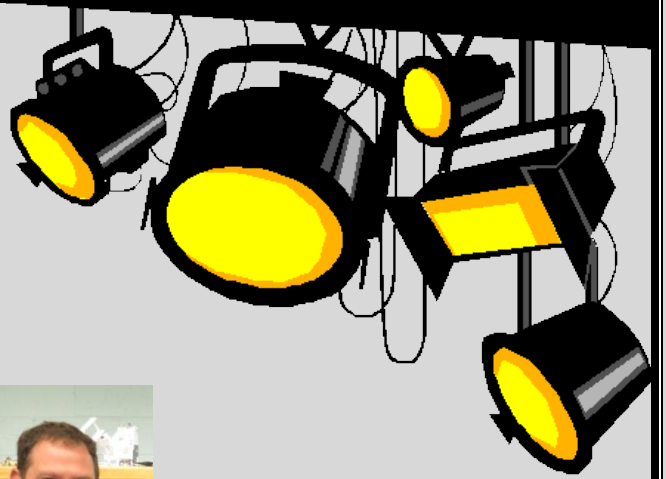
Ways to help the team

The team can be at the school until late hours of the night. We could order pizza, but we always appreciate a nice home cooked meal. If you are interested in providing a meal for the team, whether it be breakfast or lunch on weekends, or dinner during the week, please contact Karen Gauharou (973-583-3770 or k2luv2travel@yahoo.com). We also greatly appreciate snacks such as granola bars, fruit, and anything thing else that we can just grab and go with. Thank you already for the donations!



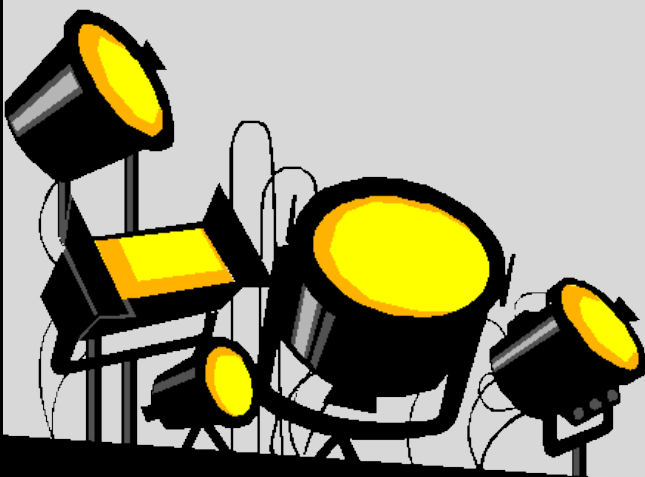
Student Spotlight

Hello, my name is Kevin Busseno and I've been in robotics for 3 years. I've gained new friends and learned about teamwork while being in robotics. My favorite memory from being on the team was winning the blue banner at Bridgewater High School. My team position is captain of Mechanical building, and therefore that's my department. Last year I was a designer and a builder. Currently, this year I've been designing a robot for the team in CADD. My goals for this season include: another blue banner, and Worlds. What I like the most about the team and the concept of FIRST Robotics is the ability to work together and learn constantly. I was introduced to the club through Mr. Coren, as I've been in all of his classes.



Mentor Spotlight

Hello, I'm Mr. Coren and in 2007 I was approached by Wayne to bring Lakeland Regional onto the already existing *FIRST* robotics team 223. The greatest thing about *FIRST* is that it is an extremely difficult test that enables young individuals to work collaboratively with industry professionals. I knew of *FIRST* robotics prior to becoming a part of Team 223, but before 2007 I was unaware of the incredible challenge and fun it was for students and adults alike. My job includes the oversight of all departments. For this season, my goals are for students to step up, design and build a competitive robot that will allow the strategy, scouting, and business teams the ability to implement all of their separate contributions. In other words, a productive and successful season for all subteams. Until we build a robot, I can't think of next week, let alone future seasons!





2017 Season *FIRST* Robotics Challenge

FIRST annually creates an engineering game to challenge high school students. They promote skills that can be useful throughout their lives. Some skills they develop are strategy skills, elements of teamwork, leadership skills and most importantly, the idea of gracious professionalism. *FIRST* releases a game reveal video along with other helpful tools on a specified date each year which then begins the 6 week build season. This year's game was released on Saturday, January 7th. The students on Xtreme Heat -Team 223 and Moderate Heat -Team 265 eagerly gathered around the projection screen to see their new challenge. *SteamWorks* is the name of the game this year and the students, as well as the mentors and parents, are thrilled. "Brainstorming immediately began as we travelled to one of our collaboration team's high school, Team 1676 Pascack Pioneers," says Lindsey G., the project manager for Xtreme Heat. There, the students were able to perform the game with humans acting as robots in order to develop a better understanding of the rules and play of the game. Afterward, students broke off into groups to discuss priorities that the robot should possess along with an efficient robot design.

On Sunday, January 8th, both teams got together to brainstorm as one team. Thoughts were soaring, gears were cranking, and our priorities and goals became clear. *Steamworks* "invites two adventure clubs from an era in which technology relied on steam power to prepare their airships for an ultimate long distance race." Each three-team alliance scores points and prepares to take flight by building "steam pressure", gathering materials to start the rotors, and boarding robots onto airships. The adventurer club with the highest score at the end of the match is the best prepared for the race and wins." Team 223 Xtreme Heat is ready to ignite the season and tackle each obstacle one at a time!

For more information please click on the links below:

Video: <https://www.youtube.com/watch?v=RwwnbLSW6hY>

Manual: <https://firstfrc.blob.core.windows.net/frc2017/Manual/2017FRCGameSeasonManual.pdf>

Team 223 School Involvement:

Helping out with the all school production:

While busy with our upcoming competitions, we understand the importance of being involved in the school community. This year's All School Production – *The Little Mermaid* requires our creative construction skills to build a durable, two sided chair on wheels to be Ursula's throne and a boat. In previous years, we have helped assemble other production props such as the unique gas mask and the confetti cannon for the production of *Little Shop of Horrors* and a movable car in the production of *Grease*. Team 223 continues to remain active in our local and school communities.

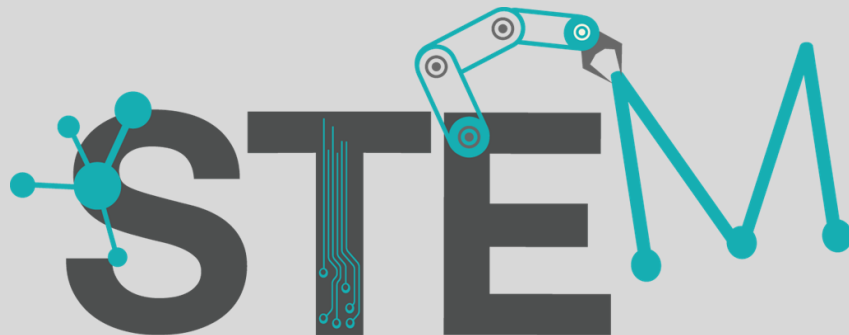


Fun Fact:

It's better to measure things twice, than cut once!

Refer to Rob for explanation

If you or somebody you know is interested in sponsoring the team, please feel free to contact us!



SCIENCE ⚙️ TECHNOLOGY ⚙️ ENGINEERING ⚙️ MATH