

XTREME HEAT

XTREME HEAT
223



MODERATE HEAT
265

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Sponsor Spotlight

Turner  Pharmaceutical

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

223!

Contact Information:

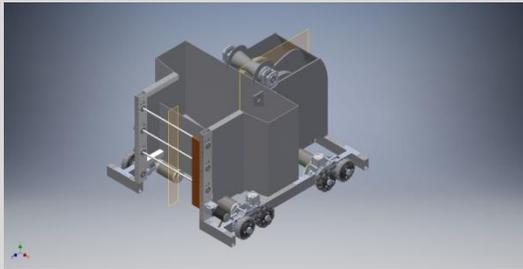
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BUILD TEAM

CURRENT PROJECTS:

- 95% FINISHED WITH CAD DESIGN
- EXPORTING TOOLPATHS IN CAM SOFTWARE
- FABRICATING PARTS FOR BOTH PRACTICE AND COMPETITION ROBOTS
- DRIVE TRAIN
- SHOOTER & HANGER

GOALS: BY THE END OF NEXT WEEK COMPLETE THE PRACTICE ROBOT AND FINISH ALL PARTS FOR COMPETITION ROBOT.

PROGRAMMING TEAM

CURRENT PROJECTS:

- PROTOTYPING ROBOT
- NAVIGATION SYSTEM
- AUTONOMOUS MODE
- PROGRAMMING TO CORRESPOND WITH ROBOT

GOALS: FINISH PROJECTS

PLANS: ACHIEVE GOALS IN TIMELY MANNER

DESIGN TEAM

CURRENT PROJECTS:

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

GOALS: FINISH SPONSERSHIP VIDEO

BUSINESS TEAM

CURRENT PROJECTS:

- WOODIE FLOWERS AWARD
- ENTREPRENEURSHIP AWARD
- SPONSORSHIP VIDEO
- RESEARCH ON OUTREACH PROGRAMS
- SPONSORSHIP PACKET REFRESHER
- POWER POINT PRESENTATION

GOALS: SUBMIT AWARDS, PERFORM EFFICIENTLY AT COMPETITIONS, AND SPREAD STEM THROUGHOUT OUR COMMUNITY, ENJOY THIS SEASON!



Parent Updates:

STIMS

"Student Team Information Management System"

Sign up your student to ensure they know about Team events and get credit for this club!

This video will explain the registration process:

<https://www.youtube.com/watch?v=GUU0QGbWg4s>

"Our greatest natural resource is the minds of our children"

-Walter Elias Disney

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!



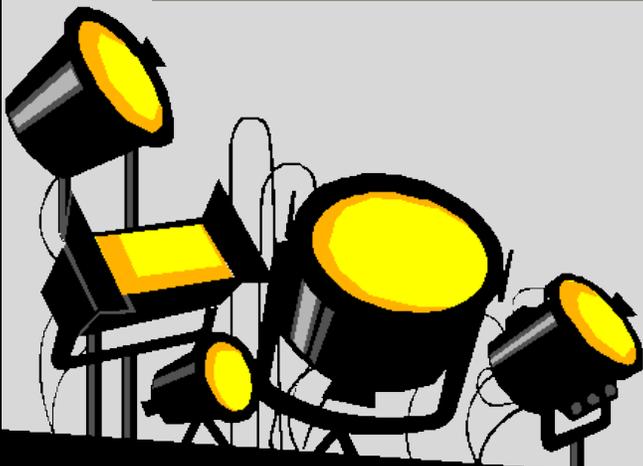
Student Spotlight

Hello my name is Rob N. and I'm a senior. I have been on Team 223 all of highschool. From being a part of Team 223 I have gained the skill of being able to work well with others. My favorite memory from being on this team was when Jenks was burning the hotel down while putting tin foil in the microwave. I belong to the Graphic Design and Drive team departments. The projects and tasks I've completed this year have been the T-shirt and button designs. I like the people and the experience the most about the team and the concept of FIRST. I heard about the team through the freshmen fair, my friends pushed me. Some of my goals for the season this year is to receive atleast 1 more blue banner and an LED or standard banner.



Mentor Spotlight

Hello my name is Ken Gauharou, and I discovered Team 223 through my son Tyler, and he encouraged me to come and assist the team. I like the comrodery the most about the team and the concept of FIRST. I didn't know about FIRST before becoming a part of Team 223. I mentor the sarcasm, build team, and funny departments. My hopes and goals for this season and future seasons is to win.





2017 Season *FIRST* Robotics Challenge

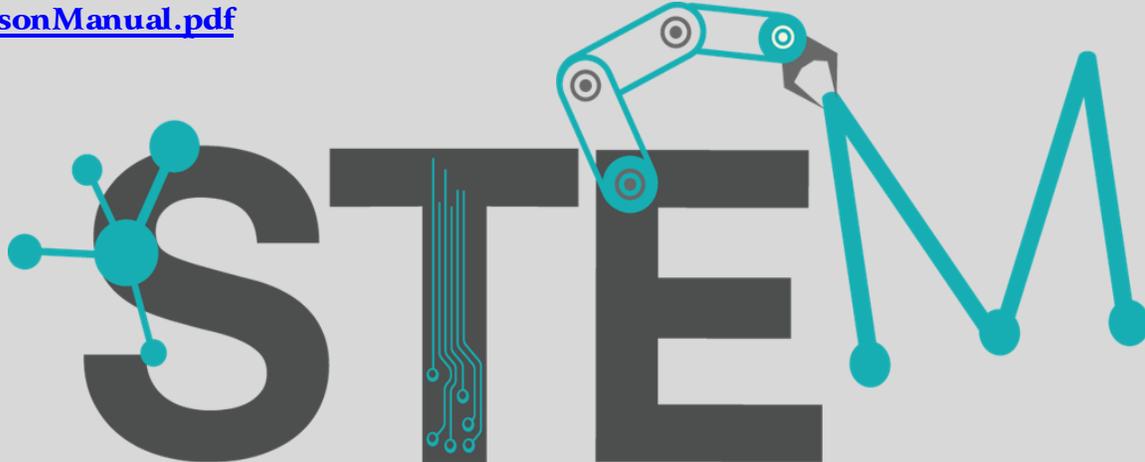
FIRST annually creates an engineering game to challenge high school students. They promote skills that can be useful throughout their lives. Some skills they develop are strategy skills, elements of teamwork, leadership skills and most importantly, the idea of gracious professionalism. *FIRST* releases 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>



SCIENCE ⚙️ TECHNOLOGY ⚙️ ENGINEERING ⚙️ MATH

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:

1/2 OF ALL STEM JOBS

don't require a four-year degree and pay an average of \$53,000, which is 10 percent higher than non-STEM jobs with similar education requirements.

{ CHANGE THE EQUATION } **STEMtistics**
WORKFORCE