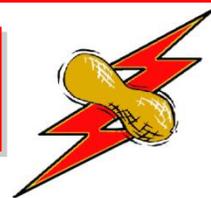


The Lightning Round

Saturday, January 13th, 2017

Volume 5 Issue 1



FRC 3525'S WEEK IN REVIEW: WEEK 1

Build Season is Officially Started!

Ready to POWER UP!

Saturday January 6th marked the beginning of the 2018 Robotics Build Season. The team met at Wolcott High School to watch the game reveal and begin discussing strategy. This year the theme for the FIRST Competition is Power Up! Teams are trapped in a video game and must score points and fight the boss to escape. Robots work with two other robots to put power cubes on the scale and switch to gain ownership. They can also put power cubes into their team vault in exchange for the Force, Boost, and Levitate power ups. The Force power up gives an alliance control of the switch, scale, or both for 10 seconds. The Boost power up double the score for the switch, scale, or both for 10 seconds. The Levitate power up awards a climb to a non-climbing robot at the end of the match. Teams will climb and be supported by the scaled at the end of the match to face the boss! The game reveal video can be found at



<https://www.youtube.com/watch?v=HZbdwYiCY74>.

Wooden versions of the field pieces were available for the team to view and see how the size will affect their designs. This year the pieces Team 1071 MAX built will be housed at our build space for both teams to practice with. Kickoff was a great experience for all the team members and was a great chance to see field pieces up close.

On Track for Waterbury and Maine!

Waterbury Competition



Maine Competition



Boston District Competition



Detroit World Championship



This year the team will be attending two district competitions. March 8th-11th will be at Wilby High School in Waterbury, CT. The second district event will be at the Androscoggin Bank Coliseum in Lewiston, ME on March 22nd-24th. Every team competing in the New England District system will go to two events across the region to gain points toward the District Championship. Teams get points for winning playoff matches and winning awards. The 64 teams in the region that have the highest score at the end of the 6 weeks of competition get to move on to the District Championship in Boston, MA on April 11th-14th. After the District Championship the top teams move on to the World Championship in Detroit, MI. This year The Nuts & Bolts are hoping to make it all the way to the World Championship for the second year in a row. All events are free to the public so we hope to see many members of the community at the Waterbury Competition.

Team Outreach

During the off-season the FRC team focusing on learning and helping the community. We participated in many outreach events including The Gathering, The Waterbury Technology Expo, and presenting the robot at the Connecticut Scout Expo. Students from the team also represented the team at Freshman Orientation and Club Day at Kennedy. To go along with the theme of St. Baldrick's students made blankets for the Harold Leever Cancer Center. We spread STEM around the city and give back to the community because it has given so much to us. Below you can see some pictures of our students at these events.



Design and Strategy!

After kickoff the team met on Sunday and all week at our build space to discuss strategy and figure out how to tackle the game. Ultimately the team decided to go with an 8-wheel drive train, a fly-wheel pick up, a forklift to raise the power cubes up to the scale, and a climber that can help two other robots climb. The students broke into smaller groups and worked diligently to figure out how the mechanisms would work together and start building. Stay tuned because we will be showing the progress of these sections in later updates.



Questions, Comments, Concerns? Contact us at frc3525@gmail.com or visit us at www.frc3525nandb.com