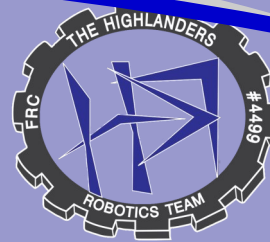


The Highlanders FRC

Colorado Regional



The Highlanders had an amazing time at the Colorado Regional. The competition was fierce and intense but the robot and the team worked hard and never gave up. Here are the results:

Regional Finalists

*we finished as 2nd place alliance

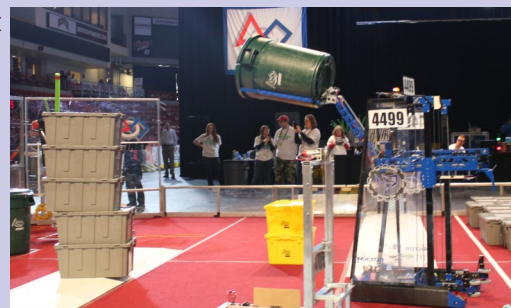
Winners of 2015 Chairman's Award

World Championship Qualifier

So what does Regional Finalists mean?

Robot performance is based on accumulation of 2 days of qualifying rounds. The Highlanders placed 10th out of 52 teams. Then, the top 8 pick teams to play the elimination rounds with, we were picked by the 5th place alliance team. We participated in the quarter finals with an average score of 125 points and advanced to the

semi-finals. There we scored an average of 137.67 point, and advanced to the final rounds where we lost against the 1st place alliance. We have never made it that far in a competition before, so this was an amazing success! This picture is of the 3 robots that made up our amazing alliance! Great job!



Check out our new container mechanism! It worked flawlessly.



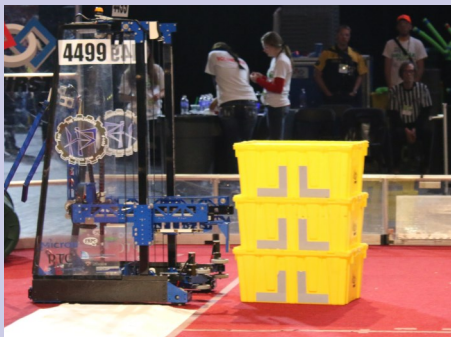
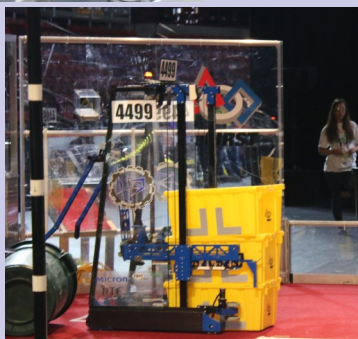
So what did the robot have to do? In driver operated mode, it had to stack totes up to 6 high and place a recycling container on top for points.



And you could throw pool noodles to the other side for additional points.



To get shared points for both sides, the yellow totes had to be placed in the middle of the field and some had to come from both sides. If that happened both sides was rewarded with 40 points!



3 TOTE

Autonomous!

Only 1 or 2 other teams at the tournament could do this reliably.

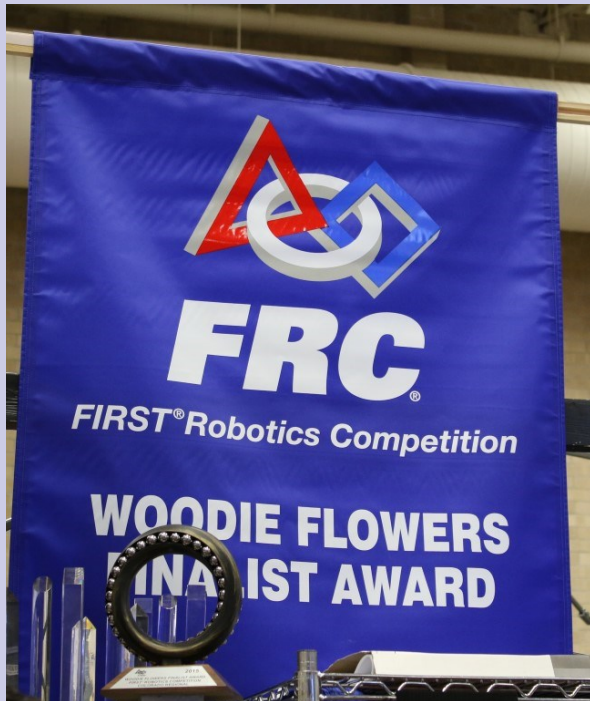
Even more exciting, during a 15 second autonomous mode (non-driver controlled) the team was able to successfully get the robot to stack the 3 yellow totes and place them in the AutoZone for an additional 20 points. This didn't work at all during the qualification rounds, but they tuned in their code and during the elimination rounds (8 rounds) it never failed! What an amazing accomplishment by the programming team!



Check out our blog to keep track of all of the latest developments!

http://www.highlandersfrc.com/2015_blog/default.aspx

Congratulations to Tony English for Winning the Woodie Flowers award (best mentor). To qualify, the kids on the team had to write an essay describing their mentor. Tony is now qualified to compete in the World Championship winner in St. Louis! Congratulations!



To see one of our videos check out our YouTube link: <https://youtu.be/YoX9gXeokfA> and our winning Chairman's Award Video here: <https://youtu.be/VVd7YsPf0s8>



Watch us live at the World Championship 4/22 and 4/26! Check the blog for updates on live feed :

http://www.highlandersfrc.com/2015_blog/default.aspx

Thank You, Sponsors & Mentors....

FleetwoodGoldcoWyard

A BARRY-WEHMLER COMPANY

Micron

Neaera Consulting
Designing for the Future

PTC

LOCKHEED MARTIN

SHEETCAM
AFFORDABLE BUT POWERFUL 2.5D CAM

FRPC
Front Range Powder Coating

Trihydro

.... We Couldn't Do
This Without You!