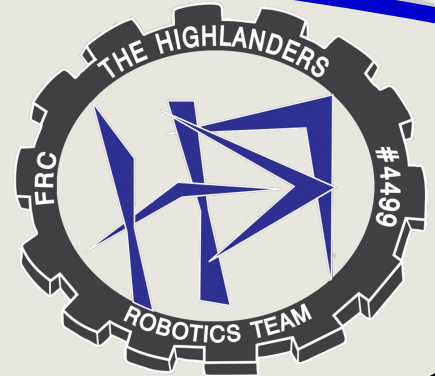


The Cyber Cycle The Highlanders FRC

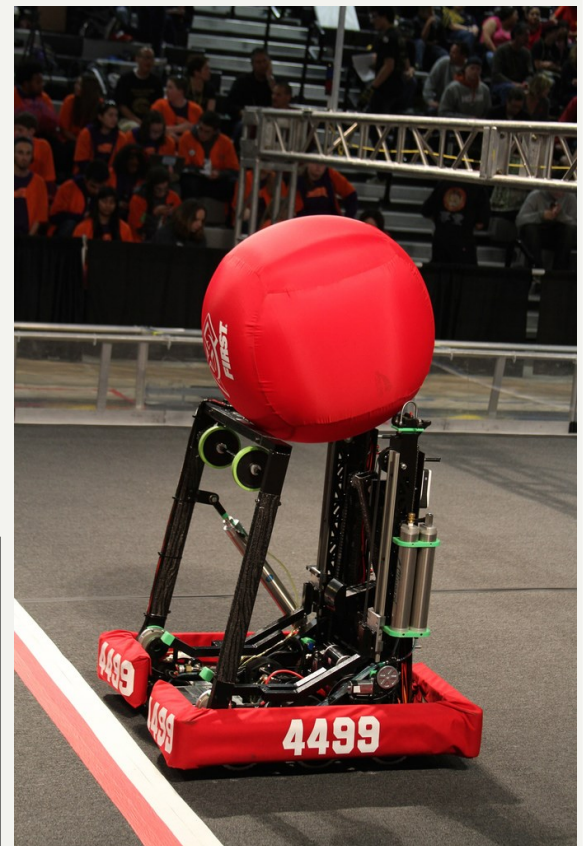


“The Cycle of Success”

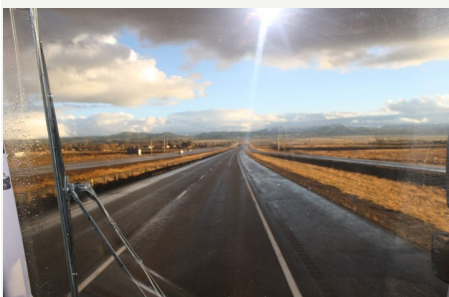
The Inland Empire Regional in Grand Terrace, California, was a GREAT experience! We



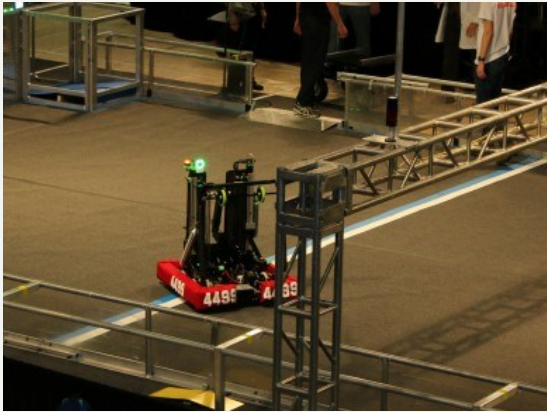
learned so much about the robot (it's virtually indestructible), our drivers (very aggressive), our programming (getting better) and our tolerance for sleepless nights (about as expected). The most rewarding part, though? Winning the Engineering Inspiration award—which gets us entrance to the world championship AND pays for the registration. Woo Hoo!



We chose this regional event for several reasons; we wanted something early in the season so that we'd have time to integrate anything we learned before our Denver tournament (April 2-4) and because we wanted to go to a competition where we knew there would be world-class robots. Everyone agrees it was worth the trip!

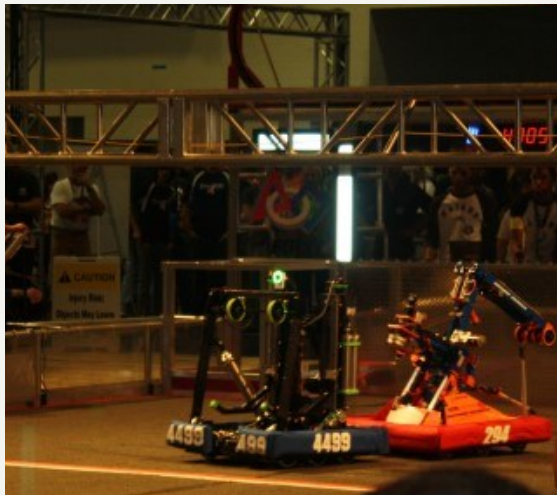
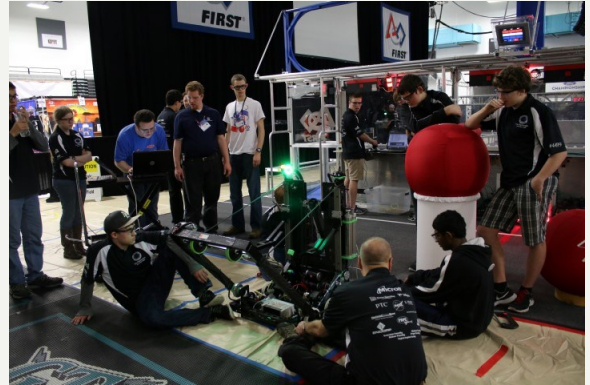


Our next competition is the
DENVER REGIONAL
April 3, 4, 5
Get directions or find the webcast:
[http://www.coloradofirst.org/
coloradoregional.htm](http://www.coloradofirst.org/coloradoregional.htm)



This tournament was so different from our first last year that it is hard to even compare. Pit set up and load-in was easy, we had a functional bot for the very first practice round of the day and we passed inspection before lunch! Unfortunately, we started having problems with the code; the robot was freezing up during practice rounds. A stressful situation, to say the least. The programming

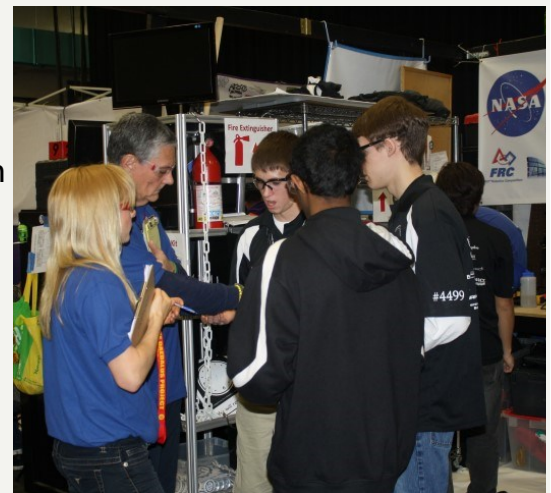
team got some help from other FRC teams as well as FIRST's IT team onsite. Add in a late night at the hotel, and they had us up and running again for competition matches on Saturday.



Saturday started early, and both our robot and our drive team showed a propensity for defense. Early in the day our autonomous wasn't going yet, but we were out on the field passing the ball, defending against the opposing alliance and even using other robots to score our own goals; turns out you can push a ball into a low goal on your own, or by pushing the ball with another robot. Cool! 8 matches later, the bot and the team were still going strong.

After lots of time spent on the practice field, the programming team was able to get an autonomous program working, scoring points at the very beginning of each match.

When not cheering in the stands, the rest of the team kept busy, too. Speaking with judges, talking to experts about new technologies, snacking (of course), scouting other teams and generally having a good time were all on the docket.



Sunday started with 4 more qualification rounds ending with a 7-6-0 record. We were chosen for the 7th alliance, which got us into the elimination rounds. Our alliance beat the 2nd place alliance for 1 match, but they won the next two, so we were out of the competition.



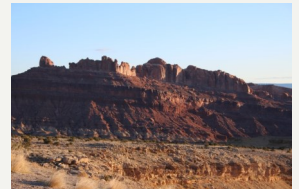
We were all surprised and thrilled to learn that we won the Engineering Inspiration Award. Given to well-rounded teams, this award hon-

ors their commitment to FIRST and to spreading their enthusiasm for engineering. A huge thumbs up for the team, this is one of the 3 ways to get to worlds for a non-rookie team, and the only one that pays for the registration! So...We're going back to worlds!!

We had a GREAT weekend! Fun, instructive, hard, fun, and mostly sleepless. The programming team responded really well to a difficult problem, the chairman's team made a great presentation, our pit was clean and safe, and the robot held up tremendously. The only problems the bot had were with bumpers (those are hard every year!) and one 3D printed part that broke during some hard-played defense. In the time before Denver, we'll be putting a new motor on the intake to beef it up a bit, working on the programming, trying to get computer vision functioning and getting in driving practice.



A BIG thank you to the siblings, parents, grandparents and extended family members who came with us or met us there. Your support (and your food) is greatly appreciated! Another long bus ride home, and we're done!



Thank You, Sponsors & Mentors....

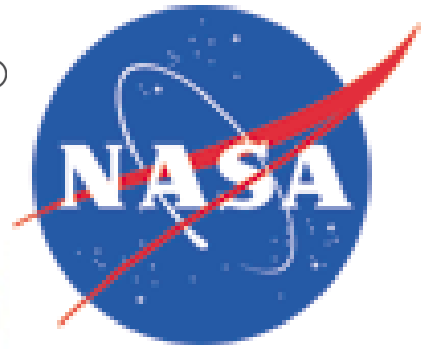
FleetwoodGoldcoWyard

A BARRY-WEHMILLER COMPANY

Micron

Neaera Consulting
Designing for the Future

PTC®



LOCKHEED MARTIN



Front Range Powder Coating



Trihydro

.... We Couldn't Do

One picture cant describe the fun we had..



So here are a bunch of pictures! Enjoy!

