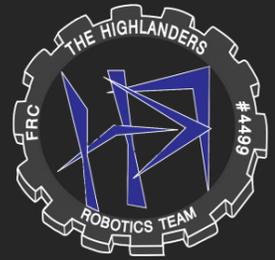


The Highlanders Ready For The Season

The Cyber Cycle



Stationed in Fort Collins, Colorado—a troupe of young engineers are gearing up for the new build season. Known for their community involvement and innovative methods, The Highlanders (HR) are a FIRST Robotics team consisting of kids from 8th to 12th grade. They all come together with a common goal, to pursue their passion for STEM.

Highlanders come from all over, consisting of 17 members this year, that aren't limited to one school. This community based team has members from Windsor, Greeley, Denver, Broomfield, and of course Fort Collins—not to mention coming from eight different schools. In addition to the weekly practices, Highlanders are very active in their community.



As a team, they attend and sponsor many events including those within and outside of STEM based gatherings. Their outreach is also maxed by how they follow through. They start, mentor, and assist teams outside of Fort Collins.



After running a Jr.FLL camp during the summer, and receiving much interest, they started and mentored their first Jr.FLL team. The kids had a blast and learned a lot, making it a success in the team's eyes. Additionally, The Highlanders continued their involvement in FLL teams. This year The Highlanders worked with a total of four teams extending from within and beyond the Fort Collins area. In addition to assisting two FTC teams, team 4499 has been proud to cooperate and work with other FRC teams. Other teams in the Fort Collins area come to Highlander-lead carbon fiber demos and CNC classes, and the Highlanders have provided meals to many different teams. HR has provided team dinners at qualifiers as well as communicating with others to make sure everyone is well fed.



One Hundred percent of Highlander graduates have engaged in STEM related college fields and internships. Many alumni return to socialize, explore, and pass on their knowledge to the next generation of Highlanders.

Meet The Team!



Alex is a senior and lead of the strategy team. He loves FIRST and wouldn't trade it for the world. He also really likes Polar Bears!



Andrew is our resident plasma Jet expert. An eighth grader at Severance Middle school, he is a hard worker and always ready to learn something new.



Cooper is a first year member on the electrical team. He has learned a lot since he got here and has made many friends.



Daniel is a Senior. A whiz on the HAAS, CNC machine, he manufactures a lot of parts for us and is always in a good mood.



Dawson is part of the drive team. As a Junior, this is his 4th year on the team. He is an expert machinist.



Jack is our electrical team lead. As a Senior, he is putting in his all for his last year as a team member.



Jack is an eighth grader part of our electrical team. As a first year member, he is excited for the season.

Meet The Team!



Jamie is a second year member in 8th grade. She is part of the Chairman's team, and enjoys working with carbon fiber and photography.



Jocelyn is a second year ninth grader part of the Chairman's team. She works on the mill and metal bender.



Liam is an 8th grader. This is his second year on the team and he has been very involved in prototyping process.



Lucas is a first year member. He has been learning the CNC Mill and CAD.



Michael is a senior this year. As the team captain, he is an integral member of the team and makes sure that everyone is performing to their best potential.



Mikey is a 10th grader. After competing in FTC last year he decided to join an FRC team and continue to challenge himself.



Nela is a Junior and head of the Chairman's team. Balancing marching band, school, and robotics, she is a devoted member of the Highlanders.

Meet The Team!



Simon is a second year member. Taking on electronics and programming, he is very invested in this year's challenge.



Taylor is on the chairman's team. After competing on an FTC team last year, she has been doing great as a first year member of The Highlanders.



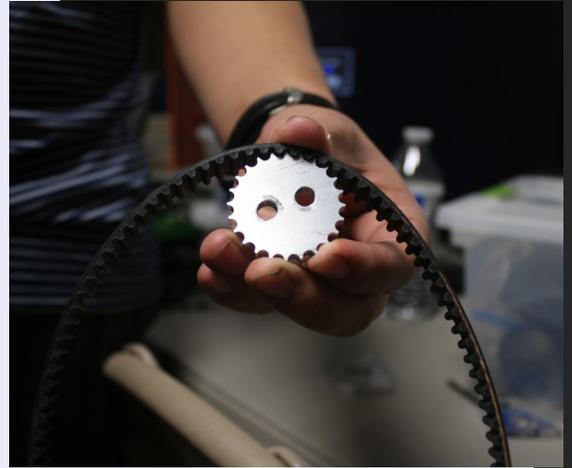
Tyler is our programming lead. He is so dedicated he makes regularly makes a 45 minute drive up to the shop during the week.

The Highlanders hit the ground running!



As soon as kick off ended, the Highlanders got right to work. Members discussed strategy and design, debating on the most important aspects of the game. Each brought up important points and proposed ideas. Through their creative process, they developed a game strategy and got to prototyping.

Different teams split up based on interest. They quickly came up with their proof of concepts and different aspects to focus on. Throughout their design process the kids had a blast and each walked away learning more about the process and with many potential ideas.



Between meals and regrouping the highlanders machined a chassis and decided on a name for this year's competition robot, "Blitzar".

The team additionally decided to build their own gearbox for the season. With much interest and support for one another each member hopes to make it a great year and to perform to their best potential.

