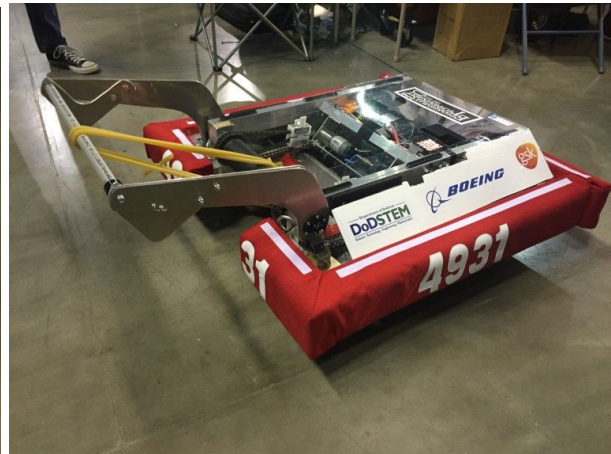




Regional Finalist

Walter was AWESOME, finishing 4th in qualifying and part of the 2nd place alliance.





Archimedes division at worlds

Finished #22 out of 100 teams in our division. Loaned our network cable to a team from Israel (that was part of winning alliance on Einstein), and helped FRC Team #8 (!) with a Java programming problem (using our Strongback Java toolkit for FRC).



2016 Trebuchet Contest

April 1, 2016

Continued our annual support of the Trebuchet contest at Lewis & Clark Community College's Godfrey campus. We let students from high schools throughout the St. Louis region (both Missouri & Illinois) drive the robot and gain GREAT exposure to FRC! This has now become a yearly event for us!

The driver in the above picture is Dr. Dale Chapman, the President of Lewis & Clark Community College and an avid supporter of Edwardsville Robotics and FRC!!

Who: *Alex & TJ*

Impact: *~80 - 100 high school students*



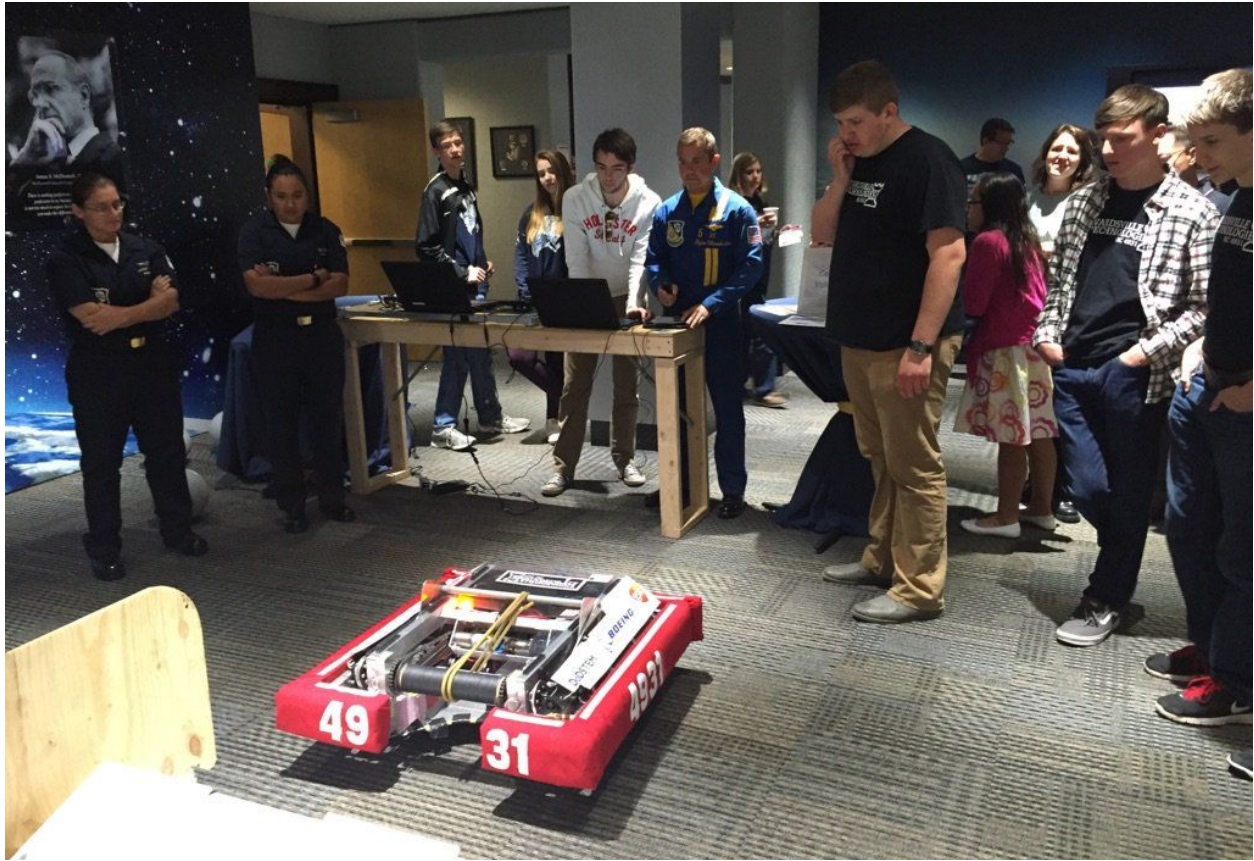
Mt. Vernon Robotics Expo

April 9, 2016

Mt. Vernon Roborams FRC5187 hosted a Robotics Expo at the local mall to introduce their community to FIRST and robotics. They had a FLL "Sumo contest" and students, guests, and mall attendees were able to drive the FRC robots throughout the mall. FRC4931 brought Walter and several students to support the RoboRams with their event.

Who: Nick & Alex

Impact: ~80 kids & adults



Boeing Blue Angels STEM Visit

May 14, 2016

The Blue Angels came to Boeing and spent the evening visiting with several FIRST teams - FLL, FTC, and FRC. FRC 4931 let the Blue Angels' pilots and maintenance crews put Walter through his paces. They said he handled really well - maybe not jet fighter well, but still pretty good...

Who: Jacob, Nick, Alex, Andrew, Kyle, Cole, Connor, Justin & TJ

Impact: ~100-120 Blue Angels Crew, other FIRST teams, Boeing employees, and parents



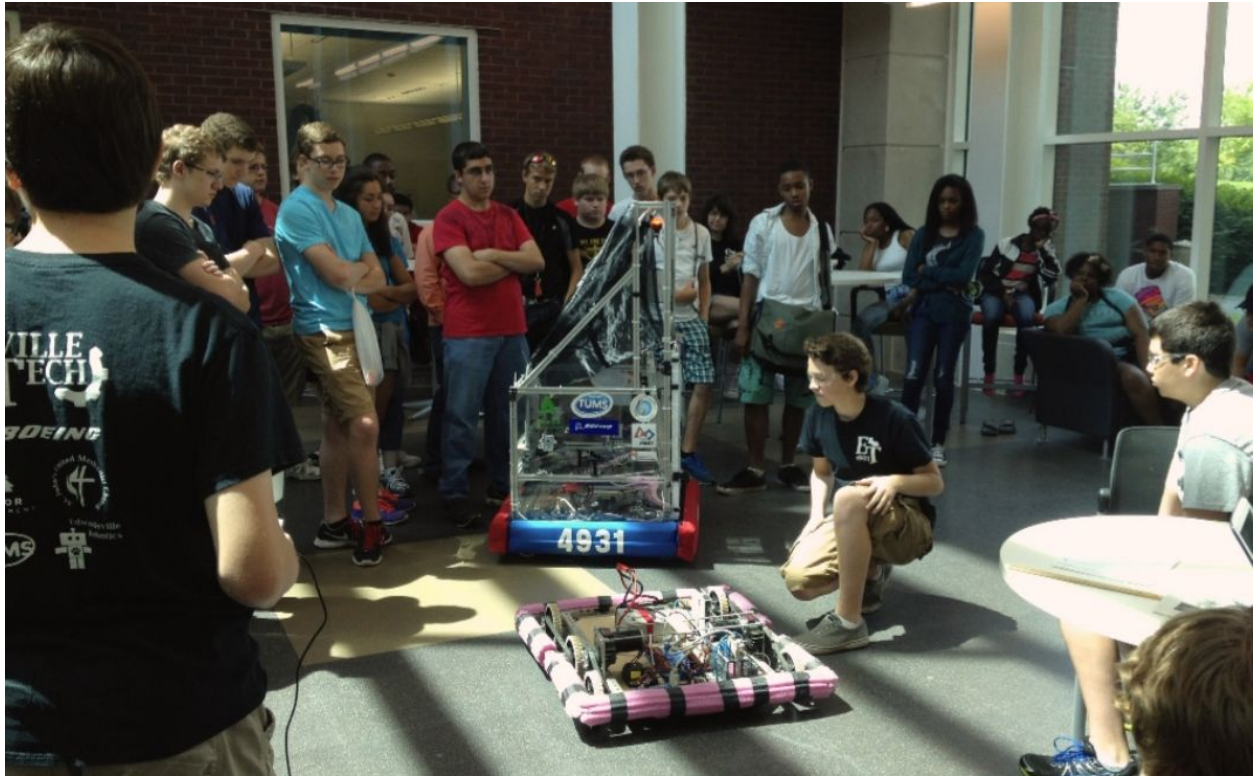
Honoring Capt Kuss

June 6, 2016

Less than a month after visiting us and driving Walter, Capt. Jeff Kuss of the Blue Angels was killed in a training accident.

FRC4931 dedicates our 2016 season to the Kuss family.

"Capt. Kuss represented the best and brightest of Naval Aviation," Vice Adm. Mike Shoemaker, head of Naval Air Forces, said in a statement. "His professionalism, expertise and love of flying made him a valued member of the Blue Angels. His loss is devastating and felt across the Naval Aviation community. It is our duty as leaders and aviators to stress vigilance and operational risk management to avoid future tragedies."



Demonstration at SIUe #1

June 6, 2016

Southern Illinois University Edwardsville (SIUe) hosts several Engineering Camps for high school students during the summer. FRC4931 brings our robots for the students to look at and drive, and help SIUe talk about mechanical, electrical, etc. engineering & programming.

Who: Colin, Jacob, Kyle, Erik, and Adam

Impact: ~60 high school students



Granite City Radio Club

June 10, 2016

FRC4931's Jacob Waller took Walter to a radio hobbyist meeting in Granite City. He let the visitors drive the robot and talked about how the team designed and built it.

Who: *Jacob*

Impact: *~40 Radio Hobbyists/Enthusiasts*



Demonstration at SIUE #2

June 13, 2016

One SIUe Engineering Summer Camp just isn't enough for FRC4931. So we're happy to bring our robots back in later weeks for a whole new batch of students to drive and learn about.

Who: Colin, Jacob, Kyle, Erik, and Adam

Impact: ~60 high school students



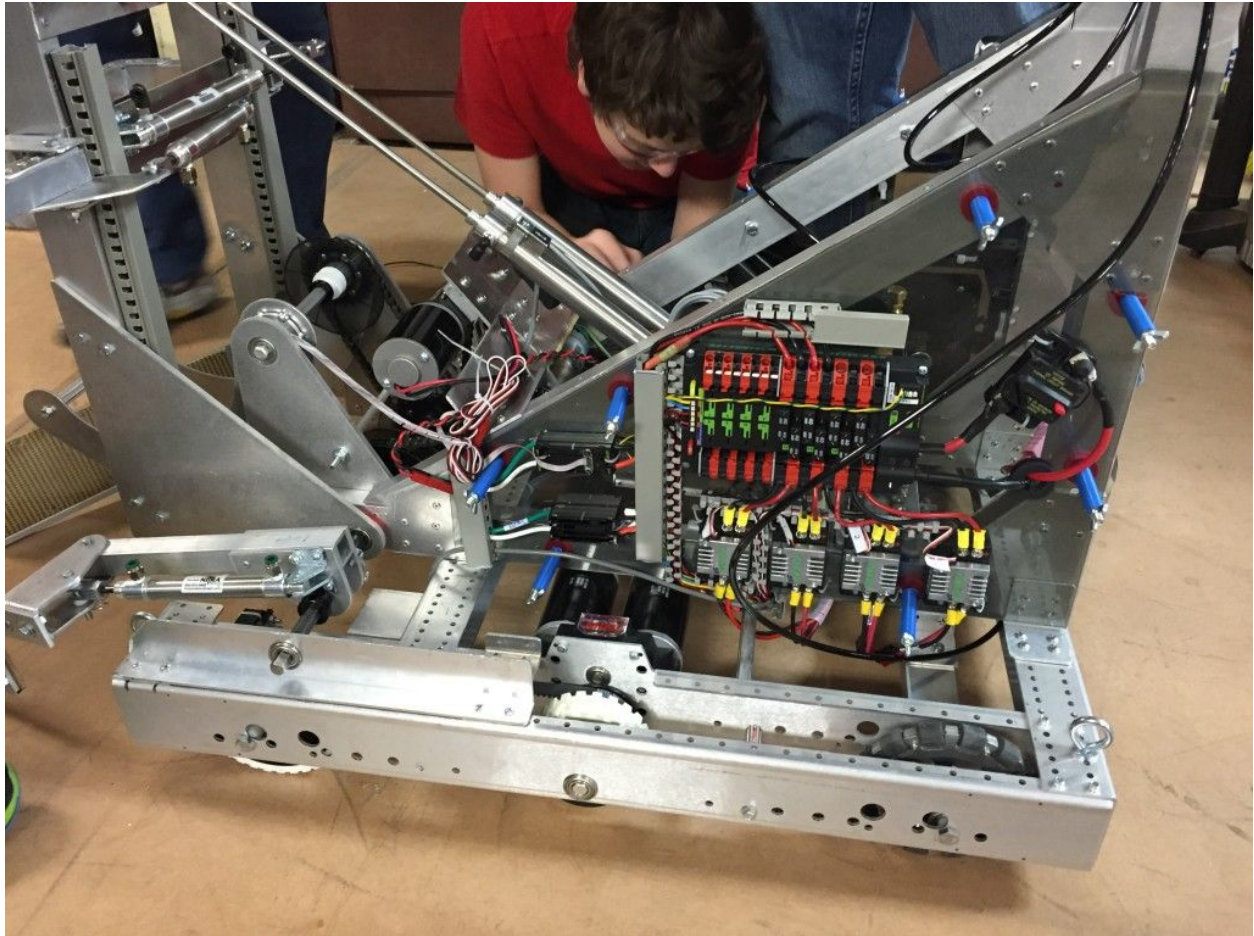
ROE STEM Camp in Troy

June 16, 2016

Madison County's Regional Office of Education (ROE) and Superintendent of Schools hosts "Camp Innovation" for a week in June for middle school and high school students. FRC4931 students attend and help with presentations / activities, including Cole teaching a programming session. We also bring our robot for demos with FRC4246. More students driving robots and learning about STEM!!

Who: Colin, Jacob, and Cole J

Impact: ~80 elementary to middle school students



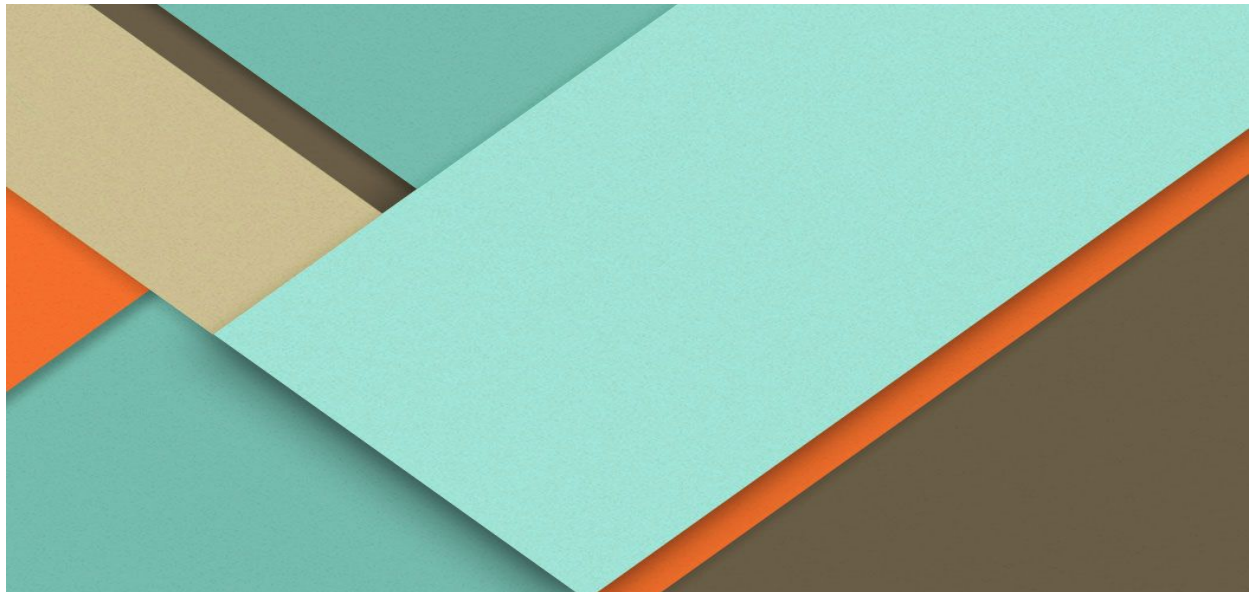
Boeing Demo

June 24, 2016

Boeing needed help with a demonstration & activities for 60-80 middle schoolers on a field trip to the St. Louis Boeing facilities. Once again, FRC4931 was happy to bring our robots, 3D printer, and excited students to assist!

Who: Colin & Jacob

Impact: ~60-80 middle school students



FLL Workshop in Fairview Heights

October 15, 2016

FRC4931 helped the Southern Illinois FIRST Committee hold an early-season FLL Scrimmage/Workshop at Holy Trinity Church in Fairview Heights. Our students helped with setup and tear down and also helped mentor some of the FLL teams present with building and programming.

Who: *Jacob, Kyle, & Cole*

Impact: *~60 FLL students*



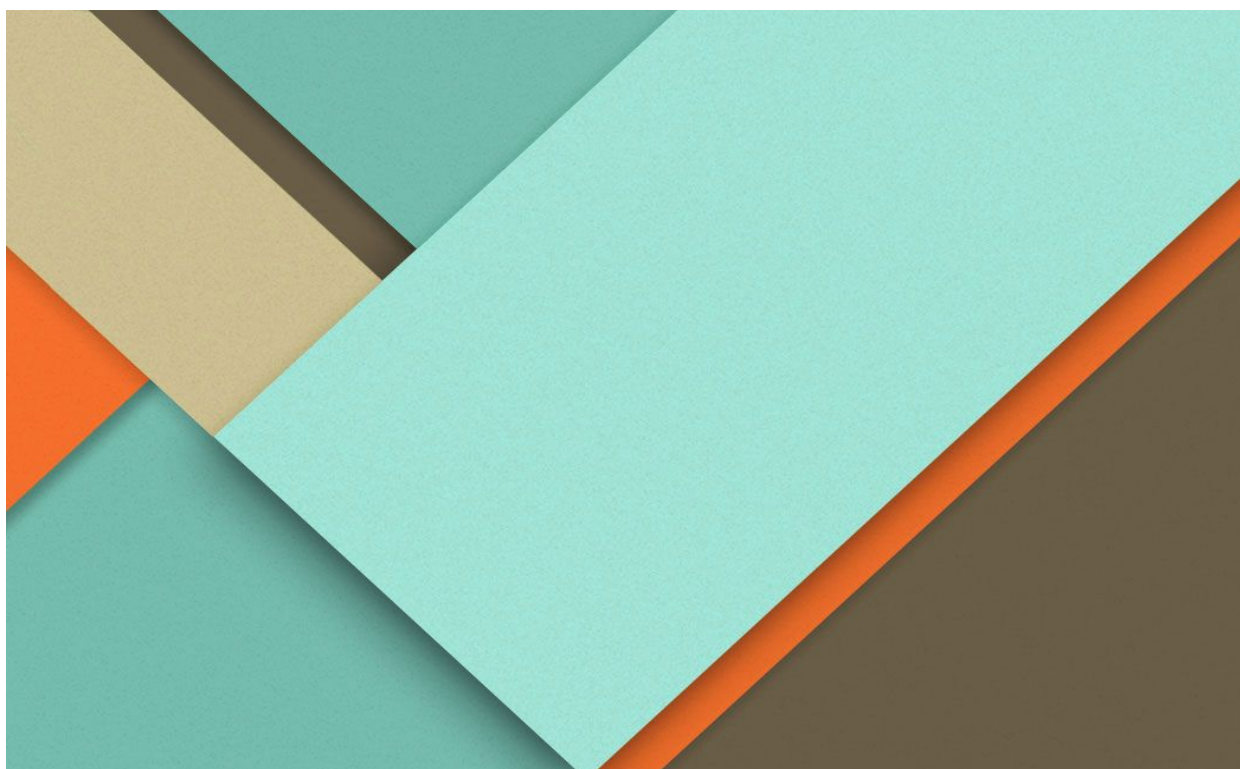
FLL Tournament

December 3, 2016

FRC4931 helped the Southern Illinois FIRST Committee hold an FLL Qualifier. Our students helped with setup and tear down and also ran the practice tables. They also roamed around and again mentored some of the FLL teams present with building and programming.

Who: *Jacob, Colin, Alex, TJ, Kyle & Cole*

Impact: *~150 FLL students, their parents, and spectators*



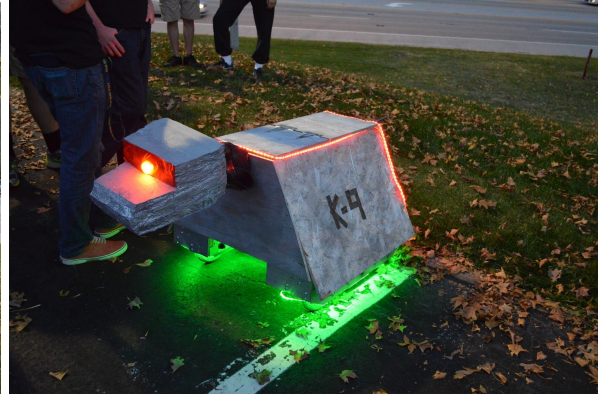
Walter at City Council

December 20, 2016

FRC4931 and Walter wanted to let our community know more about FRC and STEM. So we brought him to the Edwardsville City Council meeting to show him to the Mayor and Council.

Who: *Colin & Jacob*

Impact: *~20 City Council members and guests*



2016 Halloween Parade

October 31, 2016

The Edwardsville/Glen Carbon Chamber of Commerce hosts the annual Halloween Parade in downtown Edwardsville. It's a huge tradition on Halloween night, and thousands of spectators come out rain or shine to watch the parade of over 100 floats sponsored by local businesses and organizations. 25,000 people affected! Besides Walter, we also created a second robot to look like K-9 from Doctor Who.

Who: Justin, Tommy, Connor, Andrew, Dan, Nick, & Garrett

Impact: ~25,000 parade members and spectators!!



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Who: *Dustin, DJ, Connor, Emily, Andrew, & Garrett*

Impact: *~25,000 parade members and spectators!!*



Spoke at Jr FLL Expo

March 18, 2017

A couple of members went to JrFLL Expo to talk about later programs in FIRST - FLL, FTC, and FRC.

Who: James

Impact: ~80 JrFLL students, parents, and spectators



Goshen Elementary Demo

April 7, 2017

FRC4931 brought Walter and our Steamworks robot to Edwardsville's Goshen Elementary School for their STEM day. We presented and drove at multiple sessions (for 1st-3rd grades) and had several kids drive both robots, getting their Robot Driver License in the process. Our Steamworks Robot was quite a hit (think 100 screaming 1st graders...) when it climbed up off the floor!!

Who: Emily, Connor, & Garrett V

Impact: ~300 elementary school students and teachers



Mount Vernon Mall

April 8, 2017

Once again, FRC4931 travelled to Mt. Vernon to support them with their annual Robotics Expo. James, Tyler, Garrett V, and Alex showed off the robot at the local mall and even the Easter Bunny drove him! Maybe Walter has a job after his Stronghold retirement after all...

Who: James, Tyler, Garrett V, and Alex

Impact: ~80 students, their parents, and spectators



Edwardsville HS Lunch

April 20, 2017

EHS students from FRC4931 showed off all our robot at all 4 lunch periods. Approximately 1000 students witnessed it during their lunch period.

Who: *Emily, Garrett V, Justin, and Connor*

Impact: *~1000 high school students*



LEGO Mindstorms Camp

June 26-30, 2017

FRC4931 hosted an FLL Training Camp at Metro East Lutheran High School to teach local kids how to use LEGO Mindstorms and introduce them to STEM. The ultimate project was a Rube Goldberg setup where several groups got together to solve the mission.

Who: Kyle, Adam, Connor, Jakob, James, Owen, & Mary

Impact: ~25 FLL students



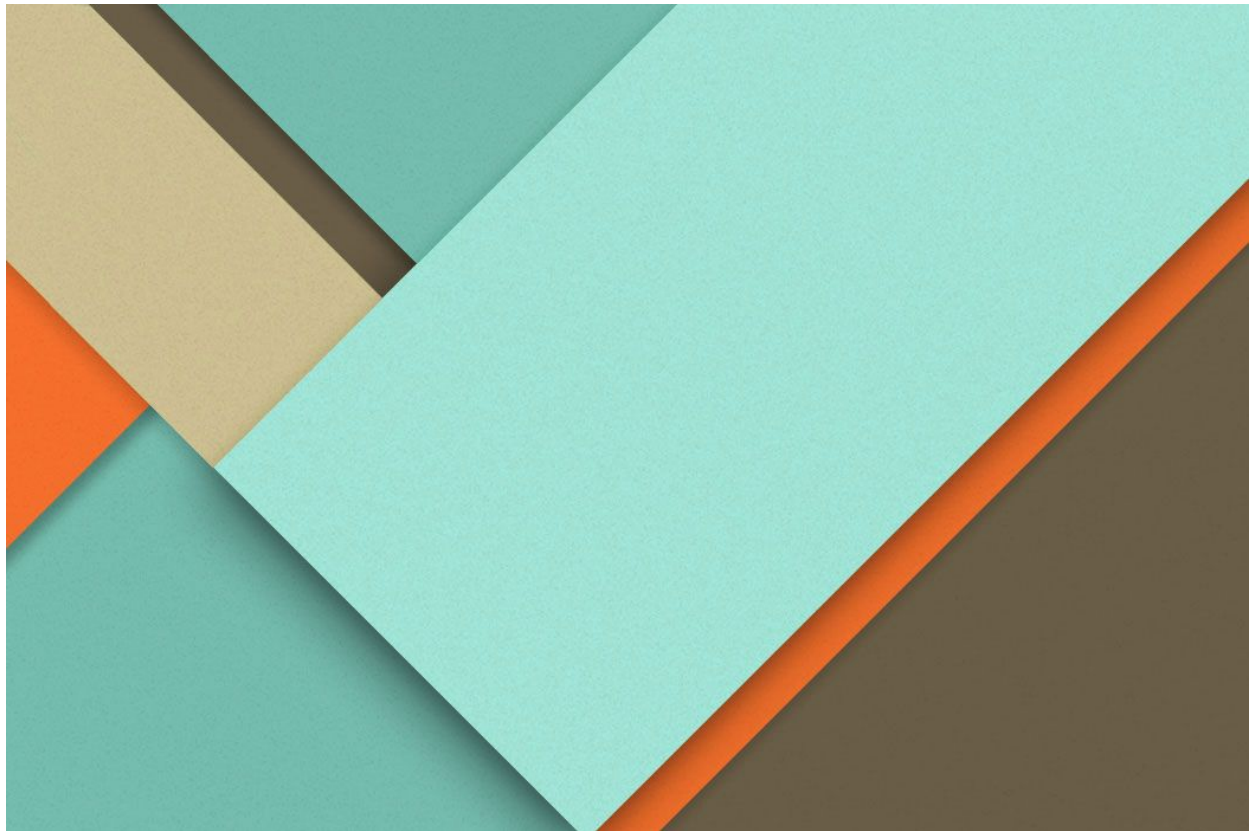
FLL Water School

September 5, 2017

Through our partnership with Lewis & Clark CC, FRC4931 students learned all about water quality from L&C's National Great Rivers Education Center (NGREC) instructors. The students then used this knowledge to assist FLL teams in the area with their HydroDynamics projects. The NGREC program was funded by Swarovski Water School to teach the community about water quality and systems. FRC4931 was happy to play a part!

Who: Emily, Owen, Connor, Cole, Margeaux, James, & Mary

Impact: ~50 FLL students



FLL Kickoff

September 16, 2017

Margeaux & James went to the local FLL kickoff and helped with project questions and robot game overview.

Who: *Margeaux & James*

Impact: *~50 FLL students*



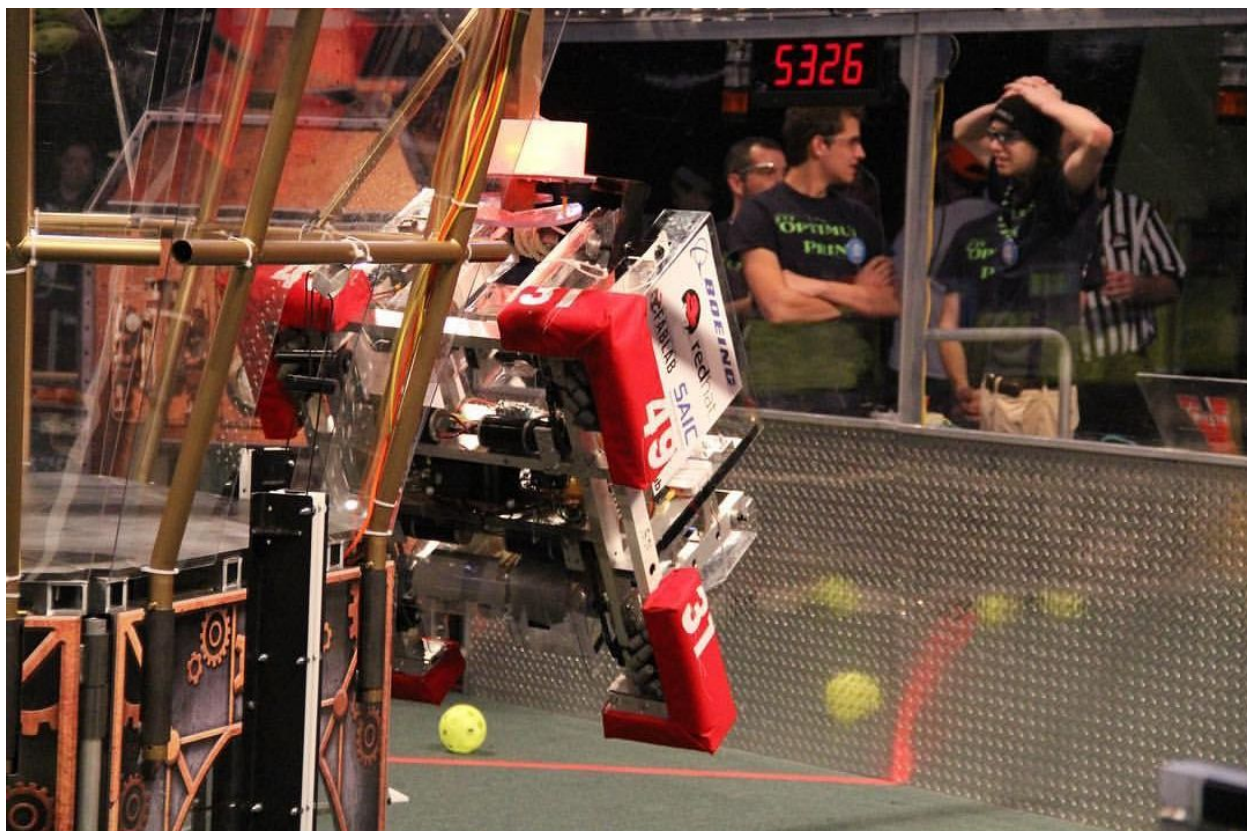
FLL Regional

November 19, 2016

Margeaux & James went to the local FLL kickoff and helped with project questions and robot game overview. James also set up his new creation - a Livestream system for viewing the event online real-time. Grandparents from around the area were thrilled!!

Who: Margeaux & James

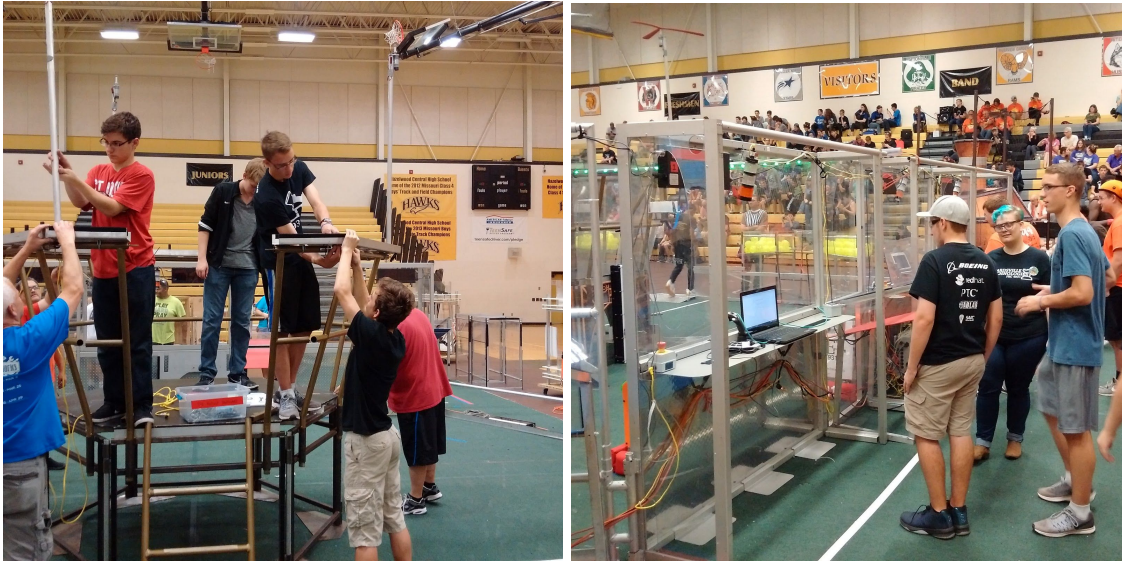
Impact: ~50 FLL students



Gracious Professionalism 2017

2017 Steamworks

For the second time in three years, FRC4931 won the Gracious Professionalism Award at the St. Louis Regional. It is a thrill to receive an award voted on by our peers on other teams. Plus we love seeing all the robots we helped compete at their best and truly enjoy the fun of FIRST!



Gateway Robotics Challenge

October 2017

As is normal for FRC4931, we not only competed at GRC, but we also helped with the set up and take down of the field elements - a big help to all the mentors and staff!

Who: *About 8-10 FRC students*

Impact: *~30 GRC volunteers and students from other teams*