



THE RAVENS REVOLUTION TEAM 1710

"If at *FIRST* you don't succeed, you have six weeks to get it right."

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Spring 2010

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OKLAHOMA REGIONAL

Team 1710 competed in the Oklahoma Regional Competition on March 25-27. We had an extremely successful weekend, coming home with two honors and three awards—more than any other team. Our robot, Ghost Rider, performed well, ranking 9th seed overall and competing in the elimination rounds. Many of our team members lent a hand to the other teams, working on other robots, offering advice and even driving



for another team.

Many robots, including Ghost Rider, started out rocky in practice on Thursday, but it was far from a slow day for the members

of our team. As our senior mechanical team worked on our robot, many of our younger members were sent out to assist other teams build and program. Team 3169 even "adopted" one of our team members and recruited him as a member of their drive team. Gracious professionalism is a key aspect to *FIRST* Robotics and as a team we try to demonstrate this idea through each of our students.

As for the rest of the team, when they were not scouting or cheering in the stands, they were taking shifts working the safety goggles booth. We were approached by the Regional Director on Thursday and asked to volunteer at the booth to clean goggles and monitor the sign-out sheet. We were more than happy to help out throughout the entire weekend.

Ghost Rider performed well on Friday, winning three matches and tying three matches out of



seven. We went into Saturday ranked 31, but came out of the qualification rounds ranked 9th overall. Team 1710 joined the 6th alliance with teams 2369 and 2354. Our alliance lost during semifinals in a valiant effort, but that did not stop our team from cheering. We proudly supported the winning alliance that included two teams from Kansas and one team from Lee's Summit, Missouri. All in all it was another awesome regional competition for Team 1710.

-Casey Flowers

OKLAHOMA REGIONAL AWARDS

“The speakerbox brought enough energy to the competition for everyone to get involved.”

Team 1710 came home from the Oklahoma Regional Competition with four awards in hand: the Imagery Award, the Autodesk Excellence in Design Award (animation), the Chrysler Team Spirit Award and a Safety Star of the Day.

The way a team presents itself at competition is how the judges decide on the Imagery Award. With our flight suits, garrison caps, and unified Top Gun theme, Team 1710 blew everyone away with our image.

The Excellence in Design Award gives credit to the computer-design aspect of *FIRST*. Sponsored by Autodesk, the Excellence in Design Award is broken into two parts: 3-D design and animation. Team 1710 brought home this award for the animation that our E-Communications group made. Featuring R.A.W.R. (Roaming

Autonomous Waste Recycler), the animation demonstrates a new and unique way of going



green.

This being our first visit to the Oklahoma Competition, we started with a clean slate; no one knew what we could do. The speakerbox, an original idea that began three years ago, brought enough energy to the competition for everyone to get involved and enjoy. Getting everyone pumped up for the competition is something that Team 1710 excels at. With music playing in the mornings and evenings, as well as a surplus of spirited cheering in the stands, Team 1710 was presented the Spirit Award.

Safety is a huge part of

what we do in *FIRST*. Even after five years, Team 1710 has yet to attend a Regional Competition without winning a Safety Star of the Day. During pre-season, we take safety tests for the machines in the

shop, as well as put together a safety handbook. During build season, safety is law. Building a 120-lb robot in six weeks is stressful and tiring, but being safe continues throughout everything that goes on. After the competition is over and the team is home again, we get ready for next year by cleaning up to make sure that everything is in its place and safe. All of this comes together at the judges' table during competition, leading them to present Ally Parfet, this year's CFO and Safety Captain, with Safety Star of the Day.

-Justin Zeiler



SUMMER VEX CAMP

JUNE 14TH-17TH

The VEX Summer Camp, inspired by Team 1710's VEX Challenge, hosted on November 14th, 2009, is a four day camp for 4th-6th graders to get a hands-on experience in engineering. Promoting both 21st Century programs, Aerospace and Engineering and E-Communications, the students participating in the summer camp will be able to build their own VEX robot, use it in a competition and show their creativity with a flag or two made to put on the robot.

The VEX Challenge and VEX Summer Camp, though they sound and are the same in most cases, have a few distinct differences. Firstly, the VEX Summer Camp offers

financial aid to those that qualify for it. Secondly, instead of lasting just one afternoon, the VEX Summer Camp lasts four days, June 14th-17th. Throughout these four days, the students will be able to complete a robot and program it to go through an obstacle course as well as compete in a game via remote control.

The VEX Summer Camp Committee (VEXSCC), a group of students from Team 1710, has spent the past four months planning the camp and finding different ways to advertise the event. With a flyer completed in the first month, the VEXSCC was almost advertising three months ahead of sched-

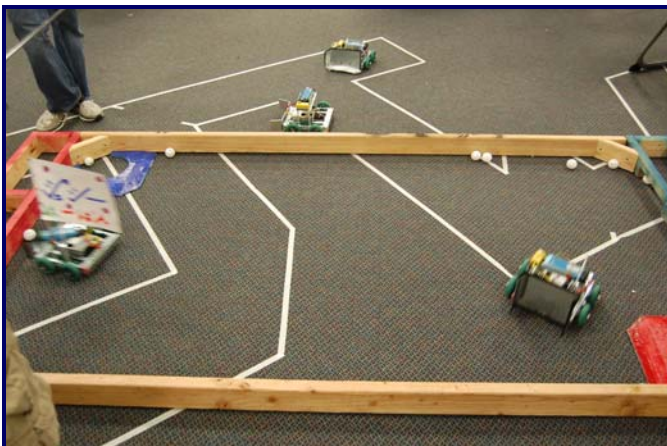


ule. Unfortunately, a few roadblocks came up and stalled the Committee until the conclusion of build season .

The Committee has spent a great amount of time going into the little details of this event such as awards, snacks, t-shirts and certificates of participation for the students. We have been working diligently, checking and double checking to make sure that not a single detail is overlooked. If interested in the VEX Summer Camp, check out www.ravonics.net under the VEX tab or email info@ravonics.net for more information.

-Tyler Howard

“The students will be able to complete a robot and program it to go through an obstacle course .”



SCHOOL SUPPLY DRIVE

BRING YOUR SUPPLIES TO THE BANQUET

Who wants an ice cream party? From April 28th to May 5th, every fifth hour in the school will be competing against each other to win an ice cream party for their class, just as the winning class from the Pennies for Patients won a pizza party. This competition is a School Supply Drive benefiting Olathe Head Start. A joint project between Future Teachers of Olathe and *FIRST* Robotics, all of the supplies gathered will go to students that cannot afford supplies



of their own. These supplies

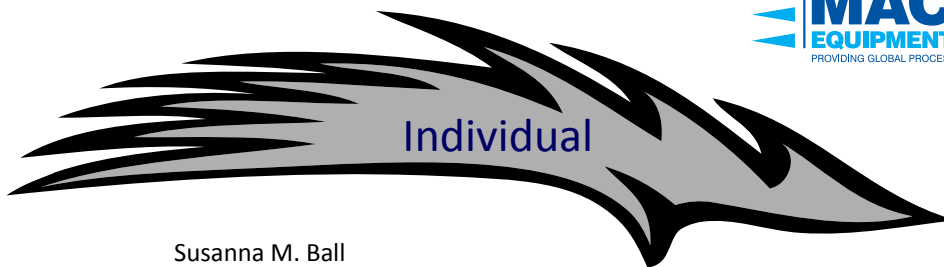
include, but are not limited to: packs of crayons and markers, glue sticks, safety scissors and packs of pencils. For each day, we would like to see different supplies come in. To kick off the drive, we would like some supplies to be brought during school and also to the Team 1710 Robotics banquet on the night of Wednesday, April 28. On Wednesday, we would like 24-pack crayon boxes. Friday, we'd like to see 8-packs of markers. On Monday the following week, glue sticks are what we're looking for. Tuesday brings the safety scissors. On Wednesday, to finish things off, we would like to bring in 12-packs of pencils.

-Justin Zeiler



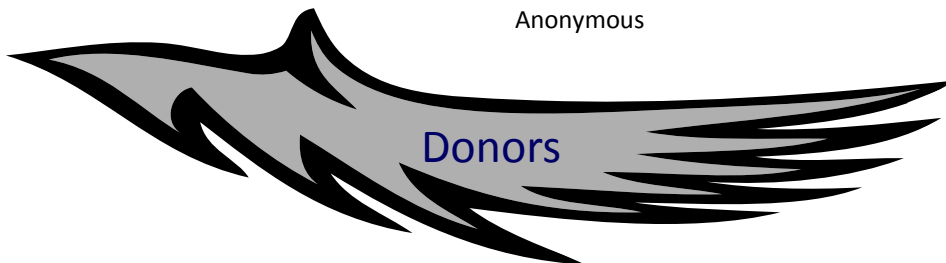
BIG THANKS TO...

The Climb To Success



Susanna M. Ball
Mr. & Mrs. Cliff Rippe
Howard Family
Tom and Margret Hall

Mr. & Mrs. John Parfet
Palsinelli Shughart
Craig Miller
Anonymous



Goal:
\$21,000
Completed

\$18,000
Level 7
Completed

\$16,000
Level 6
Completed

\$13,000
Level 5
Completed

\$10,000
Level 4
Completed

\$8,000
Level 3
Completed

\$5,000
Level 2
Completed

\$3,000
Level 1
Completed



MAY 2010

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
2 Began April 28th: School Supply Drive	3 6:30pm Team Meeting; 7:00pm Senior Awards	4	5 School Supply Drive Ends	6	7	8
9	10 6:30pm Team Meeting	11	12 Senior Finals	13	14	15
16 7:00pm Com- mencement	17	18	19 Underclassmen Finals	20	21 Last Day of School	22
23	24	25	26	27	28	29
30	31 Memorial Day					

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