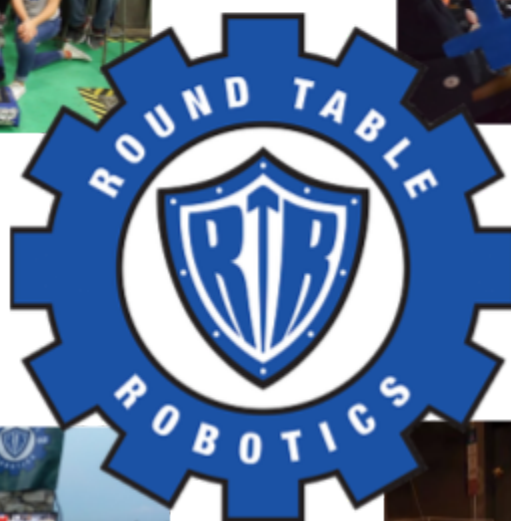


# Round Table Robotics

## FIRST® Robotics Competition Team 1792, Oak Creek High School Chairman's Packet



2017-2018

# Index

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<b>Round Table Robotics</b>	<b>3</b>
<b>Chairman's Essay</b>	<b>4</b>
<b>RTR Outreach Log 2017 - 2018</b>	<b>7</b>
<b>RTR Outreach Log 2016 - 2017</b>	<b>11</b>
<b>RTR Outreach Log 2015 - 2016</b>	<b>14</b>
<b>Outreach</b>	<b>17</b>
<b>Safety</b>	<b>18</b>
<b>Sponsors</b>	<b>19</b>

## Round Table Robotics

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Round Table Robotics, third year split off FRC® team, gives students the opportunity to become fully immersed in an environment of dedicated like-minded students interested in Science, Technology, Engineering and Mathematics while acquiring the necessary skills to achieve their future goal. Not only do members acquire technical skill sets, they also learn the fundamentals of other corporate tasks such as project management, leadership team building, marketing, etc.

More important than any competitive success or awards, the students of Round Table Robotics grow academically, intellectually and socially. Members of Round Table Robotics gain a better understanding, a greater respect and a more profound appreciation of the benefits of a good education. Inline with Oak Creek High School's vision that Oak Creek High School is a positive, welcoming community of trust, where staff and administration work together for the benefit of the students. Everyone has a vested interest in improving themselves, the students, and ultimately the school as a whole.



## Chairman's Essay

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From the smallest seed to the tallest oak, all trees go through immense growth in order to thrive in their environment. From the beginning of their life to the end, they are always growing, not only through their branches but also through the history of their rings. Trees demonstrate strength and resilience while they grow through the seasons of their life; changing, evolving, and adapting with every new year. As we complete in our third year as a split-off FRC® team, Round Table Robotics (RTR) strives to continue our journey of growth and discovery much like that of a tree, however, we never forget the history of our roots.

As all FRC® teams begin, Round Table Robotics started its life as a seed. However, unlike most teams, our seed came from the already established tree of team 1714, MORE Robotics. In 2015, we created a spinoff team directly affiliated with the Oak Creek-Franklin Joint School District. With some help from MORE and our community, we turned one team of 30 into two teams of 40 plus, growing the reach of STEM in Wisconsin. Our seed was comprised of 12 students that worked to establish our Round Table.

Over the few short years of our team's existence, our branches have reached through our school as well as our community. One of the ways we accomplished this is by turning one FRC® team into a STEM club with an FRC® component. This club includes all students interested in the STEM field, encompasses all of our off-season projects and our FRC® team. Currently, all 38 students of the STEM club make up Team 1792. This provides students the ability to join and experience STEM throughout the year, whether during build season or in the off-season. We give the opportunity of traveling to FRC® competitions to 27 members. While a select number of interested members attend the competitions, STEM club is a safety bubble that ensures that no matter how large we grow, anyone interested can be part of the team.

The FRC® branch of RTR is split into two sides: build and business. Though these are two separate sides, they come together nonetheless. Each side has a main captain who manages the numerous CDTs, or Component Design Teams, under them. Each CDT has an upperclassmen captain who teaches their underclassmen co-captain. When the senior CDT captain graduates, the co-captain takes their place and the process starts all over again. This ensures the sustainability of the team.

Trees live in a forest, and similarly, RTR grows in a community to which we are consistently giving back. We take every opportunity possible to show the community our deep appreciation for all the support they have provided us through the years. For example, for two years in a row, we have packed food for underprivileged senior citizens at Hunger Task Force. Hunger Task Force is a food bank in the Milwaukee area which provides emergency food to local pantries completely free of charge. This year, we reached 1,880 people, by packing 47 pallets of food, equivalent to 52,000 pounds. Through our volunteer work, we have developed such a strong relationship with Hunger Task Force that they are now working closely with us on a project to spread STEM. We have bought and assembled a fully functioning robot that will begin planting and harvesting crops in April of 2018. FarmBot, as we call it, will be

stationed at the Hunger Task Force Farm where everything we grow will be donated to food pantries. This project is a large step towards our team linking community outreach and engineering. FarmBot is a growth spurt for our tree, linking our missions of furthering STEM with community support.

In order to keep this tree growing we need to foster new student involvement. This starts with students learning what STEM and FRC® encompass. We interest freshman by holding a booth at open house. School-wide announcements are made frequently during the first month of school, encouraging new students to join RTR. Our team also continually searches for places in our community to perform demonstrations of our robot. For three years in a row, we have demonstrated at places such as public libraries, the Milwaukee Zoo and even Summerfest, the largest music festival in the world. On top of that, we appeared in the Oak Creek Fourth of July and Homecoming parades, where we featured not only our competition bot, but also a very popular candy dispensing robot. “CandyBot” was created as a side project in the off-season teaching members basic robot building skills.

Furthermore, we have a very extensive social media presence. Our Twitter, Facebook, Instagram and YouTube channel have allowed us to reach 1,081 people. Our website features a countdown to build season, promos of our sponsors, latest news postings, marketing materials and all the information on how to join STEM club and RTR. These platforms allow us to spread the message of RTR within and beyond our community.

To get adults both interested and educated about **FIRST®**, we work closely with our sponsors. Nearly all our sponsors begin with a business presentation and a demonstration of our competition robot, giving team members real-life experience with professional sales presentations. After we secure sponsorship, we send sponsors an update video every week of build season to communicate the accomplishments of the team. These videos not only update sponsors on the progress of the robot and team but also provide appreciation for their support. Maintaining a close relationship with our sponsors often leads them to become mentors for the team. In fact, 9 of our 19 mentors work for our sponsors. These mentors are a vital part of a team, from both a teaching and learning viewpoint. Despite our mentors being very involved, they never give us the answers outright, but instead guide us where to look.

RTR helps new trees grow as well. Our team is continuously working with our sponsor PPG to secure grant money for rookie FRC® teams across the nation. This outreach required us to comb through a list of PPG plants across the country, comparing it to a list we created of rookie FRC® teams. We then contacted those teams, most of which didn’t have a website or easy way of communication. Our hard work led to a total of \$28,000 secured grants given to 8 different teams. Not only did this help these FRC® teams get on their feet, but also encouraged the expansion of **FIRST®** from California to Ohio. We also invited 3 FRC® teams from our area to tour our shops, securing a close partnership. Thanks to our efforts, our roots have become intertwined with numerous **FIRST®** teams across America.

Trees spread seeds in order to grow more saplings. Our team spreads seeds to get young students interested in STEM and want to join RTR in the future. To do this, we have ongoing mentoring with 7 different **FIRST®** Lego League teams in our community. One of the teams we were most involved with this year formed through a partnership between RTR, Amazon and a Boys and Girls Club of Kenosha. For that team, twice a week we drove 45 minutes each way, to provide coaching and mentoring. It was so exciting to see those team members program a robot and attend a competition for the first time.

Furthermore, RTR has initiated and hosted our second annual FLL® regional this year. We recruited 165 volunteers, and accommodated 36 FLL® teams. We had growth of 8 more teams and 65 more volunteers from last year. Spreading the seeds of STEM through FLL® mentoring and regional tournament hosting only makes RTR stronger and healthier.

Like every tree, our primary goal is to keep all our branches safe from harm. RTR does so through ongoing training in our wood and metal shops. Furthermore, our team created a new system to keep track of which students are trained on which machines. Club members wear Carabiners with color-coded flags attached. Each flag indicates being trained in a specific machine.

Our passion for a safe workplace is so strong that it inspired us to work with the local police department to organize trauma kit trainings for our entire team. Once this was organized, our passion continued and we were inspired to partner with the Oak Creek Fire Department to teach every individual on our team in the use of tourniquets, Israeli bandages, and Quick Clot gauze every year.

As we finish our 2018 build season we want to continue our growth. We want to continue to inspire our community and friends in **FIRST®** by giving back and living with the ethics **FIRST®** has taught us. We wish not only look up to and learn from older teams but to a role model for younger teams as we once were only 3 years ago. The overarching themes of improvement and leadership are the fundamentals of our team, and the pillars on which RTR stands. And with the message of growth in mind, we hope to continue our journey with **FIRST®** to make Round Table Robotics a team as strong and wise as the tallest redwood. Never stopping the fall of the seeds from our branches, never forgetting the history in our rings, and never, ever, halting the growth of our team.



## RTR Outreach Log 2017 - 2018

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### 2017-2018 Outreach Log:

3/11/17	Meal Service at The Gathering	Worked in a soup kitchen and had a chance to serve people of our community. We had a chance for team building while wearing RTR shirts, which sparked conversation about <b>FIRST®</b> .	4 ppl x 4 hrs <b>16 hrs</b>
4/15/17	Meal Service at St. Ben's	Worked in a soup kitchen and had a chance to serve people of our community. We had a chance for team building while wearing RTR shirts, which sparked conversation about <b>FIRST®</b> .	5 ppl x 4 hrs <b>20 hrs</b>
6/03/2017	Milwaukee County Zoo Demo	Displayed robot and explained how the games worked, spread the word of <b>FIRST®</b> .	10 ppl x 5 hrs <b>50 hrs</b>
6/16/2017	Sponsor Thank You Tour	Gave our sponsors plaques to thank them for supporting our team.	5 ppl x 5.4 hrs <b>27 hrs</b>
6/17/2017	Drexel Town Square: Summer Soulstice	A fundraiser where we sold beverages such as Gatorade and Coke products.	17 ppl x 4.7 hrs <b>80 hrs</b>
6/19/2017	Lions Club Demo	A demo for Lions Club, one of our sponsors.	6 ppl x 3 hours <b>18 hrs</b>
6/22/2017	St. Francis Library	A demo toward younger children to spread <b>FIRST®</b> to a new generation.	5 ppl x 2.2 hrs <b>11 hrs</b>
7/04/2017	Fourth of July Parade	Drove one of RTR's summer projects CandyBot, in the Oak Creek Fourth of July Parade, which tossed candy at kids and show them a possibility of STEM in their life.	17 ppl x 3.1 hrs <b>53 hrs</b>
7/08/2017	Summerfest Demo	A demo at Summerfest, exposing all age groups to	8 ppl x 6 hrs

		STEM and spreading the word of <b>FIRST®</b> .	<b>48 hrs</b>
7/26/17	Georgie Porgies Night	A demo and fundraiser for our sponsor Georgie Porgies. RTR had a one day ice cream special named Datalicious, and the robot was demoed to multiple age groups and spread the word of <b>FIRST®</b> .	13 ppl x 2.9 hrs <b>38 hrs</b>
7/29/17	Rockford Off Season Competition	Allowed new team members to experience a competition and receive a chance to be on the drive team and scout.	8 ppl x 11 hrs <b>88 hrs</b>
8/01/17	National Night Out	RTR was able to demo and spread the word of <b>FIRST®</b> , we also handed out bike locks from our sponsor Master Lock when the followed us on social media to stay in touch with <b>FIRST®</b> .	11 ppl x 10.5 hrs <b>42 hrs</b>
8/04/17	Nucor Demo	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	6 ppl x 3 hrs <b>18 hrs</b>
8/29/17	Yaskawa Demo	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	7 ppl x 3 hrs <b>21 hrs</b>
9/01/17	Zund	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	7 ppl x 3 hrs <b>21 hrs</b>
9/01/17	Lions Fest Day 1	RTR helped the Lions Fest committee, mostly with handing out and preparing food and got to work with other <b>FIRST®</b> members from MORE High School.	12 ppl x 4.25 hrs <b>51 hrs</b>
9/02/17	Lions Fest Day 2	RTR helped the Lions Fest committee, mostly with handing out and preparing food and got to work with other <b>FIRST®</b> members from MORE High School.	3 ppl x 3 hrs <b>12 hrs</b>
9/03/17	Lions Fest Day 3	RTR helped the Lions Fest committee, mostly with handing out and preparing food and got to work with other <b>FIRST®</b> members from MORE High School.	6 ppl x 4 hrs <b>24 hrs</b>

9/04/17	Lions Fest Day 4	RTR helped the Lions Fest committee, mostly with handing out and preparing food and got to work with other <b>FIRST®</b> members from MORE High School.	6 ppl x 5 hrs <b>30 hrs</b>
10/02/17	AIM Demo	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	5 ppl x 3 hrs <b>15 hrs</b>
10/02/17	PPG Demo	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	5 ppl x 3 hrs <b>15 hrs</b>
10/27/17	Eaton Demo	A demo for one of our sponsors to demonstrate who RTR is and what <b>FIRST®</b> is.	6 ppl x 2 hrs <b>12 hrs</b>
10/27/17	Boston Store Community Days	RTR sold coupon books while wearing RTR shirts, which sparked conversation about who we are and who <b>FIRST®</b> is.	6 ppl x 5.5 hrs <b>34 hrs</b>
11/09/17	Boston Store Community Days	RTR sold coupon books while wearing RTR shirts, which sparked conversation about who we are and who <b>FIRST®</b> is.	3 ppl x 2 hrs <b>6 hrs</b>
11/11/17	Marquette FLL® Tour	Represented RTR team 1792 as a Project Judge.	1 ppl x 7 hrs <b>7 hrs</b>
11/11/17	Boston Store Community Days	RTR sold coupon books while wearing RTR shirts, which sparked conversation about who we are and who <b>FIRST®</b> is.	3 ppl x 2 hrs <b>6 hrs</b>
11/12/17	Mukwonago FLL®	Represented RTR team 1792 as a Robot Design Judge.	2 ppl x 9 hrs <b>18 hrs</b>
11/19/17	Rufus King Regional	Represented RTR team 1792 as a Project Judge.	2 ppl 6.5 hrs <b>13 hrs</b>
12/01/17	Oak Creek FLL® Regional Setup	Setup for 12/02/17 for the East Middle School FLL® Regional.	17 ppl x 4.3 hrs <b>73.5 hrs</b>
12/02/17	Oak Creek FLL® Regional	RTR ran the EMS FLL® Regional, A welcoming committee at the front door to guide teams to the pit,	40 ppl x 10.66 hrs <b>426.5 hrs</b>

		monitor the teams as they made posters, assist in the pits, run the concession stand, we sold homemade treats and food. RTR also judged the posters and cleaned up the event.	
12/07/17	Rollaero Night	A fundraiser event from our sponsor Rollaero, a community event where we had team building and middle school inspiration. (376 participants)	6 ppl x 2 hrs <b>12 hrs</b>
12/10/17	Waukesha Sectional	Represented RTR team 1792 as different judges throughout the day.	4 ppl x 10 hrs <b>40 hrs</b>
12/14/17	Star Wars Episode VIII: The Last Jedi	Team building to get to know and integrate new members.	38 ppl x 3 hrs <b>114 hrs</b>
12/30/17	Hunger Task Force	RTR boxed 52,000 pounds of food for senior citizens with an inadequate income.	22 ppl x 3.5 hrs <b>78 hrs</b>
On going through Sep.-Dec.	FLL® Mentoring	Mentors helped FLL® teams weekly in a variety of areas, some of which include: designing, building, presenting, and programming.	15 ppl x 36.2 hrs <b>543 hrs</b>
<b>TOTAL</b>	<b>FROM MARCH 2017</b>	<b>TO DECEMBER 2017</b>	<b>2,081 HOURS</b>
<b>TOTAL</b>	<b>FROM JUNE 2015</b>	<b>TO DECEMBER 2017</b>	<b>6,991.5 HOURS</b>

## RTR Outreach Log 2016 - 2017

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3/3/2106	American Heart Association	Grant application for an AED submitted. Awaiting request.	Can't calculate outreach
3/24/2016	Oak Creek Now Publication	Summary of our team start up, progress and vision published in The Blueprint <a href="http://www.oakcreeknow.com/news/oak-creek-franklin-roboti9693287z1-373379681.html">http://www.oakcreeknow.com/news/oak-creek-franklin-roboti9693287z1-373379681.html</a>	Can't calculate outreach
4/6/2016	McDonald's	McRobot Night. Not only a means as fundraising, but also a way to reach out the community by displaying robots, answering questions from community members, and encouraging younger students to become active in STEM.	23 ppl x 3 hrs = <b>69 hrs</b>
4/16/2016	Rockwell UPAF Chicken Dinner	Display robot, spread the word of <b>FIRST</b> ®, FRC®, and STEM fields to inspire and encourage younger community members to join.	9 ppl x 3.5 hrs = <b>31.5 hrs</b>
4/28/2016	The Blueprint	Summary of our season and team accomplishments published in The Blueprint <a href="https://drive.google.com/file/d/0B9bmFVIT6JMHc1FmVzdjdDY0Q1k/view">https://drive.google.com/file/d/0B9bmFVIT6JMHc1FmVzdjdDY0Q1k/view</a>	Can't calculate outreach
4/30/2016	Signicast plant Hartland, WI	Tour of plant, Signicast employs over 100 robots in their plant so this will provide an opportunity to see a practical application of robotics. Reach out as potential sponsor/donor.	8 ppl x 3.5 hrs= <b>28</b>
5/21/2016	Oak Creek Police Department Bike Rodeo	Demonstrated the 2016 Stronghold robot at the bike rodeo.	5 ppl x 2 hrs <b>10 hrs</b>
6/2/2016	Summerfest	Presented robot to the spectators of summerfest and participated in mock-tournament with other teams.	18 ppl x 5 hours= <b>90</b>
6/2/2016	Rotary Club	Thank You Tour and Presentation	2 ppl x 2 hrs = <b>4 hrs</b>
6/2016 - 7/2016	FLL® Summer School	Teach students basics of Lego League; programing, building and Core Values	1 person x 28 hrs = <b>28</b>

Summer 2016	Trauma Kit training for Master Lock, RTR Oak Creek Police, Fire and Paramedics	Students, mentors and employees were trained on the use of all the safety equipment in the trauma kit with lecture and hands on training, given by Oak Creek fire and police department.	28 x 7 ppl = <b>196</b>
7/4/2016	4th of July Parade	RTR partook in city parade, driving our robot and shooting balls to fans to promote involvement in STEAM and <b>FIRST®</b>	15 ppl x 2 hrs = <b>30</b>
8/2/2016	Oak Creek National Night Out	Knights gave away bike locks Oak Creek National Night Out	13 ppl x 5 hrs = <b>65</b>
9/16/2016	Point After	Thank you tour	2 ppl x 0.5 hrs = <b>1 hr</b>
10/3/2016	NUCOR Presentation	Thank you tour and presentation	8 ppl x 1 hr = <b>8 hrs</b>
10/3/2016	HANNA TRAILER & RV	Thank you tour	8 ppl x .5 hrs = <b>4 hrs</b>
10/3/2016	Eder Flag	Thank you tour and presentation	8 ppl x .5 hrs = <b>4 hrs</b>
10/3/2016	DK Systems	Thank you tour and presentation	8 ppl x .5 hrs = <b>4 hrs</b>
10/3/2016	Master Lock Presentation	Thank you tour and presentation	8 ppl x 1 hr = <b>8 hrs</b>
10/10/2016	Oak Creek Franklin School Board Presentation/ Appreciation	Thank you tour	7 ppl x 1 hr = <b>7</b>
10/21/2016	St. Paul FLL® Scrimmage Day 1	RTR kids volunteered to help run a local FLL® scrimmage to prepare younger kids for their first regional competition.	6 hrs x 14 ppl = <b>84</b>
10/22/2016	St. Paul FLL® Scrimmage Day 2	RTR kids volunteered to help run a local FLL® scrimmage to prepare younger kids for their first regional competition.	4 hrs x 7 ppl = <b>28</b>
10/28/2016	PPG presentation	Thank you tour and presentation	7 ppl x 2 hrs = <b>14</b>
10/28/2016	Wheaton Franciscan Healthcare	Thank you tour and presentation	7 ppl x .5 hrs = <b>3.5</b>
10/28/2016	Eaton Cooper Power Systems Presentation	Thank you tour and presentation	7 ppl x 2 hrs = <b>14</b>
10/31/2016	Oak Creek High School Leadership presentation	Thank you tour	3 ppl x 1 hr = <b>3 hrs</b>

11/14/2016	Caterpillar Sponsor visit	Potential sponsor came to one of our meetings, and we gave them a presentation and tour of our shops!	5 ppl x 1 hr= <b>5 ppl</b>
9/2016 - 12/2016	West and East Middle School	Mentored the local FLL® teams at the middle schools	5 ppl x 25 hrs = <b>125</b>
3/2016 - 12/2016	Preparation and Initiation to Host FLL® Regional	RTR prepared, recruited, and arranged to host a new FLL® regional at Oak Creek.	<b>50 ppl for a total of 1,200 hours of prep</b>
12/3/2016	Hosted FLL® regional	Hosted a brand new FLL® regional event for 28 teams statewide at OCFSD middle school	62 ppl x 12 hrs = <b>744</b>
12/7/2016	ROLLAERO Fundraising Night	We hosted a roller skating night as a fundraiser	11 ppl x 2 hrs = <b>22</b>
1/29/2017	St. Ben's Homeless Shelter	Serving food to the homeless and working poor.	5 ppl x 3 hrs = <b>15</b>
3/11/17	The gathering	Serving food to 100 homeless	17 ppl x 5 hrs= 85
4/8/2017	Rockwell automation	demoing the robot for spectators	15 ppl x 4 hrs= 60
4/15/17	The Gathering	Served 180 homeless Easter Weekend	16 ppl x 5 hrs= 80
<b>TOTAL</b>	<b>FROM APRIL, 2016</b>	<b>TO FEBRUARY 2017</b>	<b>2,845 TOTAL HOURS</b>

#### Ongoing / Upcoming

Ongoing	Master Lock Trauma Kits	In planning and preparation to build trauma kits for the employees at Master Lock. After kits are built, we will be training their entire staff for a safe workplace.
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## RTR Outreach Log 2015 - 2016

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Date	Place	Details of activity and impact when known	Impact Hours
On-going Summer 2015	Oak Creek Franklin School District	Actively took initiative to propose and build a FRC® team as a progression for OCFSD FLL®. Accepted proposal from school leaders, community & board members to extend <b>FIRST®</b> opportunities, establishing team 1792. Advocated for recognition of FRC® as a varsity sport.	3 ppl x 7 hrs <b>21 hrs</b>
6/15 - 9/15	Established a Fund 60 under the school 501(c)3	Meet with business advisors to establish a Fund 60 under the OCFSD 501(c)3 for sustainability	3 ppl x 7 hrs <b>21 hrs</b>
7/29/15	Chicago Museum of Science and Industry	Team building to jump start initiation of our new team	10 ppl x 8 hrs <b>80 hrs</b>
Summer 2015	PPG	Community outreach for <b>FIRST®</b>	2 ppl x 3 hrs <b>6 hrs</b>
Summer 2015	Yaskawa	Community outreach for <b>FIRST®</b>	2 ppl x 3 hrs <b>6 hrs</b>
Summer 2015	Eder Flag	Community outreach for <b>FIRST®</b>	2 ppl x 3 hrs <b>6 hrs</b>
Summer 2015	GE	Community outreach for <b>FIRST®</b>	2 ppl x 3 hrs <b>6 hrs</b>
Summer 2015	Rockwell Automation	Community outreach for <b>FIRST®</b>	2 ppl x 3 hrs <b>6 hrs</b>
6/15 - 7/15	FLL® Summer School	Teach students basics of <b>FIRST®</b> Lego League; programing, building and Core Values (90 Students)	5 ppl x 80 hrs <b>400 hrs</b>
9/15 - 12/15	Discovery World	Oversaw and assisted in Kohl's Design it! Lab at Discovery World. Showed kids techniques, then they get the tools, materials and a place to create to foster inventions.	1 person x 72 hr (8 hrs a day) <b>72 hrs</b>
9/10/15	American Legion Post #4394	Outreach to Veterans to share our efforts to start a new FRC® team	12 ppl x 1 hr <b>12 hours</b>
9/17/15	CAT	Community outreach for <b>FIRST®</b> ; Sponsor presentation	8 ppl x 1.5 hours <b>12 hrs</b>

9/17/15	FLL® Programing Clinic	Training in Mindstorm Programing (45 students in SE Wisconsin)	7 ppl x 3 hour <b>21 hrs</b>
9/20/15 - 11/22/15	FLL® Mentoring at West Middle School (OCWMS)	Help students solve problems and prepare them for competition. (34 students)	9 ppl x 40.5 hrs <b>364.5 hrs</b>
10/2/15, 10/9/15, 10/30/15, 11/13/15, 12/4/15	Legion Fish Fry	Help our sponsor's fish fry and support our veterans (3,000 served)	29 ppl x 3 hrs <b>87 hrs</b>
10/4/15	Girl Scouts FLL®	Mentoring, aiding in the start of up of a new Girl Scout FLL® teams (6 students)	3 ppl x 3 hrs <b>9 hrs</b>
10/4/15	St. Paul's Cudahy FLL® Team	Teach students basics of <b>FIRST®</b> Lego League; programing, building and Core Values (18 students)	2ppl x 20 hrs <b>40 hrs</b>
10/14/15	MATC Presentation	Presented to MATC Faculty Experts on our team, <b>FIRST®</b>	9ppl x 2 hrs <b>18 hrs</b>
10/15	Recruitment of New FRC® Members	Develop methods, ways, action plan to increase FRC® inspiration and enrollment	4 ppl x 2 hrs <b>8 hrs</b>
10/26/15	FRC® Informational Workshop	FRC® Informational Workshop to share information on FRC® in order to recruit new, interested FRC® members (18 students)	30 ppl x 2 hrs <b>60 hrs</b>
10/22/15	Wheaton Franciscan Healthcare	Community outreach for <b>FIRST®</b> ; Sponsor presentation	9 ppl x 1 hr <b>9 hrs</b>
10/30/15	St. Paul's Cudahy Scrimmage	Assist St. Paul's with their FLL® scrimmage	12 ppl x 4 hrs <b>48 hrs</b>
11/2/15	Nucor	Community outreach for <b>FIRST®</b> ; Sponsor presentation	8 ppl x 1 hr <b>8 hrs</b>
11/11/15	Eaton Power Systems	Community outreach for <b>FIRST®</b> ; Sponsor presentation	12 ppl x 1 hr <b>12 hrs</b>
11/21/2015 and 11/22/2015	Marquette FLL® Regional	Assist with operations of FLL® regional	6 ppl x 10 hrs <b>60 hrs</b>
12/5/15	Hunger Task Force	Pack 19 pallets of food - 760 boxes to be distributed to 760 low income elderly in SE WI	22 ppl x 3hrs <b>66 hrs</b>
12/10/15	Master Lock	Community outreach for <b>FIRST®</b> ; Sponsor presentation	9 ppl x 2 hrs <b>18 hrs</b>
12/12/15	Mukwonago FLL® Sectional	Assist with operations of FLL® sectional	5 ppl x 10 hrs <b>50 hrs</b>

12/16/15	Rollaro	Community event for middle school inspiration and outreach (500 participants)	30 ppl x 4 hrs <b>120 hrs</b>
12/17/15	Star Wars 7	Team building to help bonding with new members in order to establish a strong foundation for the start of build season (75 members / family /siblings -Future 1792 FRC® members)	75 ppl x 2 hrs <b>150 hrs</b>
12/23/15	Habitat for Humanity	Donation of extra tools received from in-kind donations	3 ppl x 1 hr <b>3 hrs</b>
1/9/15	FRC® ® Kickoff	Attended training, assisted in field set up and launch of the kickoff	2 ppl x 5 hrs <b>10 hrs</b>
1/21/16	Mr. Krist Chairman's Video for More	Assist rival team in videoing, editing and creation of Chairman's Video	Team x 6 hrs <b>6 hrs</b>
1/23/16	Presentation to Ace Canvas Sponsor	Community outreach for <b>FIRST®</b> ; Sponsor Presentation	15 ppl x 1 hr <b>15 hr</b>
1/23/16	Presentation to Imperial Tool and Plastics	Community outreach for <b>FIRST®</b> ; Sponsor presentation	15 ppl x 1 hr <b>15 hr</b>
6/15 - Present	Facebook/Twitter	Social media outreach	Can't Calculate
6/15 - Present	Youtube	Social media outreach	Can't Calculate
6/15 - Present	Website	Social media outreach	Can't Calculate

## Outreach

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### FLL® INVOLVEMENT

In order to sustain any business, interest is necessary. One way Round Table Robotics gains and maintains team members is by keeping students interested from early on. We do this by mentoring 7 different FLL® teams during 2017-2018 season, helping run FLL® summer camps, assisting in programming workshops, and volunteering at **FIRST®** scrimmages, regionals, sectionals, and kickoff events. We also initiated hosted our second annual FLL® regional this year. 36 teams attended, and as a team, we gained 500 impact hours.

### DEMOES

Another way that RTR gains interest is by hosting community demos. We have demoed at local businesses such as McDonalds, Georgie Porgies, St. Francis Library, Summerfest, Oak Creek National Night Out, and FLL® events. We also have ongoing sponsor demos and thank you tours to keep them well informed. To gain new sponsors, we go to local businesses and give demos and business presentations as well.

### MEDIA

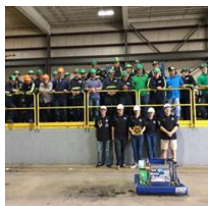
To keep everyone outside of our community informed on our teams progress in both build season, and the off-season, RTR established various social media platforms. These include a YouTube, Facebook, Twitter, Instagram, and our own website. We also have a fully functioning media component design team (CDT) to manage all of these platforms. This CDT also created weekly update video to send to our sponsors during the build season.

### VOLUNTEERING

To help our community even more we've volunteered at numerous soup kitchens, such as St. Bens, in Milwaukee, where we served dinner to 306 homeless individuals. We even served a fish fry at the American Legion in our city, every Friday for 6 weeks. All these events spread **FIRST®** to over 3,000 community members. Additionally, we boxed food for low income senior citizens at Hunger Task Force two years in a row. This year we reached 1,880 people, 47 pallets total, which is equivalent to over 52,000 pounds of food.

### PPG FRC® SUPER SPONSORSHIP

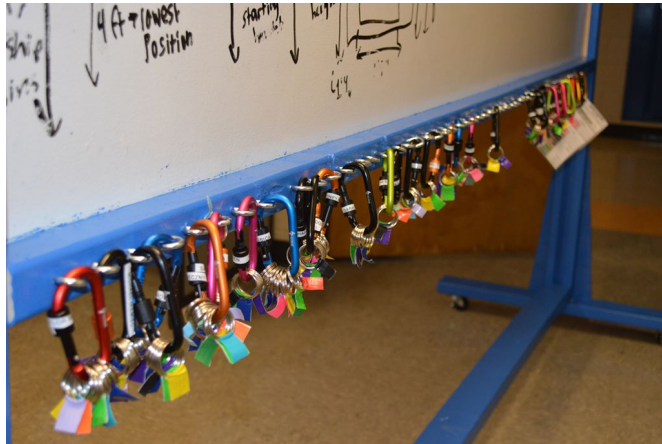
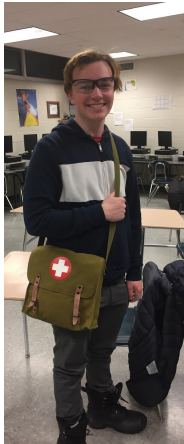
In order to help other **FIRST®** teams beyond our community, we worked with one of our sponsors, PPG, to secure grants for numerous new FRC® teams. Through what we call the FRC® PPG SUPER SPONSORSHIP, 8 teams were reached and \$28,000 dollars was supplied.



## Safety

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Round Table Robotics passion for a safe workplace is immense. For the past two years, we've paired up with the Oak Creek Fire Department to have every individual trained in how to use the supplies inside of a trauma kit. Furthermore, in order to track which student is trained on specific machines, our club issues each team member a carabiner. Once a student is qualified to use a piece of equipment they earn a flag. The flag colors are a quick way for mentors to know "who can do what" and who can share "a teachable moment" with. It is one of the cornerstones of our safety program as well as a source of accomplishment and pride for our members. Another way we incorporate safety into our meetings are weekly safety briefings. These are led by our safety captain, and are used to make sure our that safety procedures stay fresh in everybody's mind. Another step we take during competitions is an ongoing tradition of our safety captain carrying around a "safety sachal" which carries all necessary first aid supplies and anything that can help in an emergency.



2017-2018

## Sponsors



**Location: Oak Creek, WI, USA**

- Round Table Robotics
- PPG
- First Supply
- Oak Creek-Franklin School District
- Nucor
- Master Lock
- AIM
- Yaskawa
- Georgie Porgie's
- Hanna Trailer Supply
- American Legion Post 434
- Oak Creek Lions Club

**Location:** Milwaukee, WI,  
USA

- Rockwell Automation
- Empower Retirement
- JM Brennan inc.
- Rotary
- Great-West Financial
- Ladish
- Rexnord
- Boston Store

**Location:** South Milwaukee, WI, USA

-Eaton

**Location:** Franklin, WI, USA

-ZüND

**Location:** Greendale, WI, USA

-Imperial Tools & Plastic Corp.

**Location:** Racine, WI,  
USA

-Air Logic