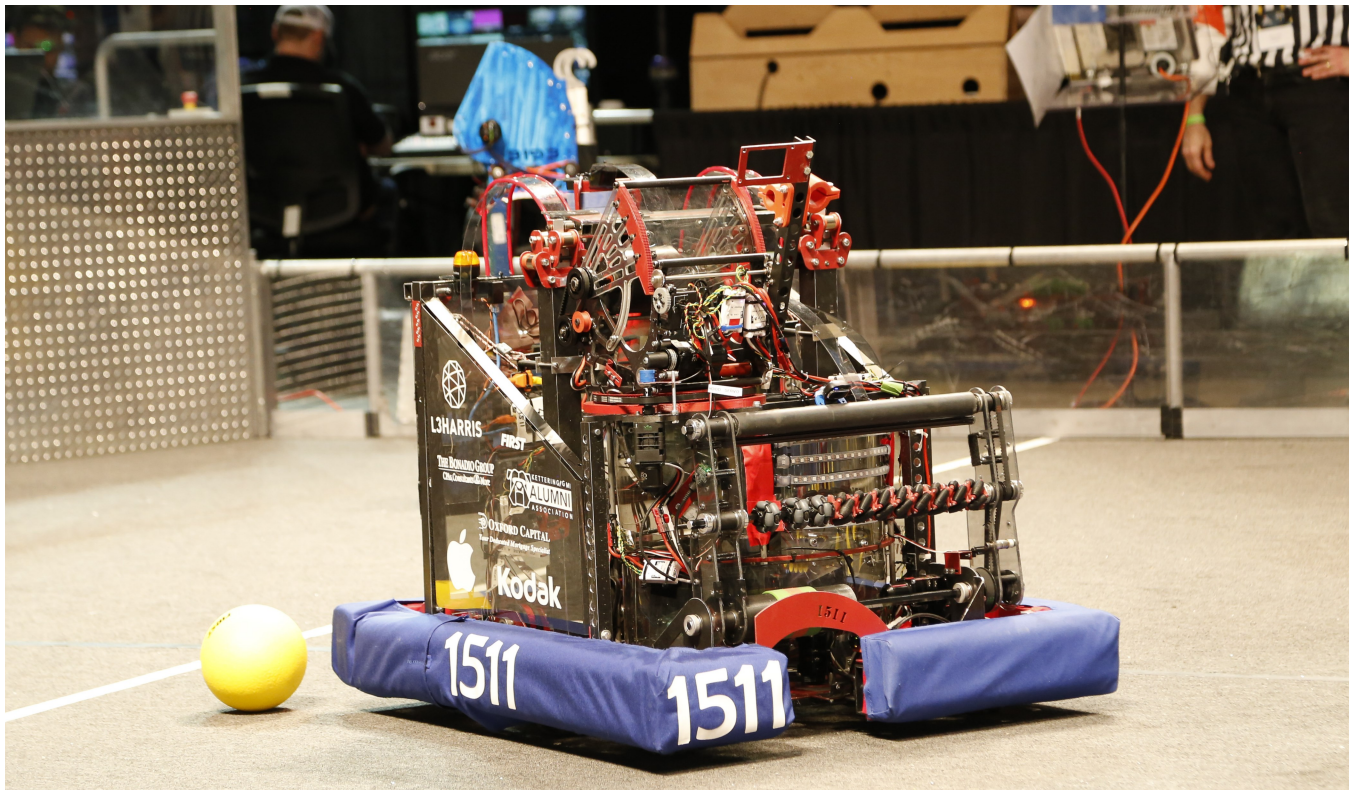


2020 PATRON BOOK







For Inspiration and Recognition of Science and Technology

Vision

"To transform our culture by creating a world where science and technology are celebrated and where young people dream of becoming science and technology leaders." Dean Kamen, Founder

Mission

The mission of *FIRST*® is to inspire young people to be science and technology leaders and innovators, by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.



Methodology

Engage kids in kindergarten through high school in exciting, mentor-based, research and robotics programs that help them become science and technology leaders, as well as well-rounded contributors to society.

About *FIRST*

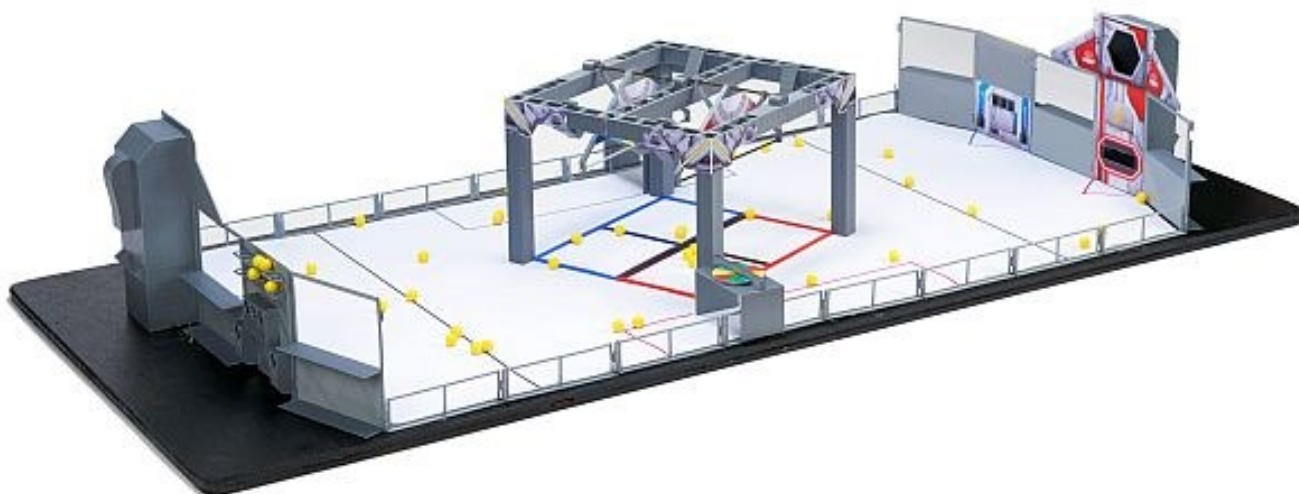
FIRST (For Inspiration and Recognition of Science and Technology) was founded in 1989 to inspire young people's interest and participation in science and technology. Based in Manchester, NH, the 501(c)(3) not-for-profit public charity designs accessible, innovative programs that motivate young people to pursue education and career opportunities in science, technology, engineering, and math, while building self-confidence, knowledge, and life skills.

FIRST is **More Than Robots**. *FIRST* participation is proven to encourage students to pursue education and careers in STEM-related fields, inspire them to become leaders and innovators, and enhance their 21st century work-life skills.





INFINITE RECHARGESM



In INFINITE RECHARGESM, two alliances work to protect *FIRST* City from approaching asteroids caused by a distant space skirmish. Each Alliance, along with their trusty droids, race to collect and score Power Cells in order to energize their Shield Generator for maximum protection. To activate stages of the Shield Generator, droids manipulate their Control Panels after scoring a specific number of Power Cells. Near the end of the match, droids race to their Rendezvous Point to get their Shield Generator operational in order to protect the city!

During the 15 second Autonomous Period, droids follow pre-programmed instructions. Alliances score points by:

1. Scoring Power Cells in the Power Port
2. Moving from the Initiation Line

In the final 2 minutes and 15 seconds of the match, drivers take control of the droids. Alliances score points by:

1. Continue to score Power Cells in the Power Port
2. Completing Rotation Control
3. Completing Position Control
4. Hanging from the Generator Switch
5. Getting the Generator Switch to the level position

The Alliance with the highest score at the end of the Match wins.

***FIRST* ROBOTICS TEAM 1511 ROLLING THUNDER**

**CELEBRATING 16 WITH...
YEARS**



L3HARRIS™
FAST. FORWARD.



THE THUNDER JUST KEEPS GETTING LOUDER





At L3Harris, we are more than just a proud supporter of the **FIRST** Robotics Program . . .



WE LIVE FOR THIS STUFF.



L3HARRIS™

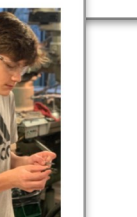
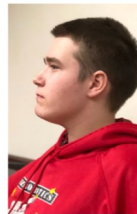
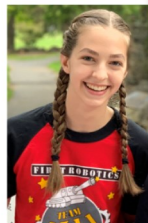
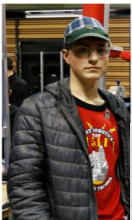
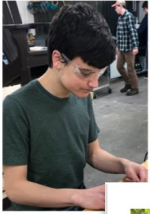
MEET OUR STUDENTS

Kyle Berg+ *
 Jadon Blaakman
 Saige Bock+ *
 Cameron Bradley
 Adrian Burgos+ *
 Chloe Chiang
 Matt Darrer+ *
 Ben Dehmler
 Allison Dostie+
 Alex Fabrizi
 Zack Geoca+
 Michael Green+
 Owen Hartel+
 Chase Jewett+ *
 Jacob Koles
 Tristan Kurtz+
 A.J. LaBue+
 Josh LaBue+
 Hailey Layton
 Alex Leete
 Alex Leute+
 Nicole Leute*
 David Lewis
 Joe McCusker+ *
 Daniel Meetze

Tanner Morrison
 Allen Mraz
 Michael Nier+
 Kadence Ostheller
 Ethan Pendelberry*
 Owen Poland
 Brysen Pye
 Ishan Renjen*
 Nate Salvador
 Nikko Sandgren
 Colin Stampfer
 Dominic Taormina+ *
 Gabe Taormina+
 Liam Taormina+
 Nick Vessa *
 Jackson Wade
 Elliot Weisbrod
 Isaac Weisbrod
 Trevor Wiesen
 Nevin Woodside
 Rowan Yorkston+
 Marisa Zwick

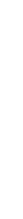
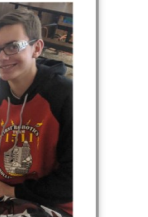
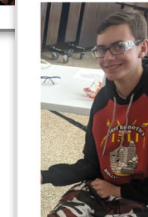
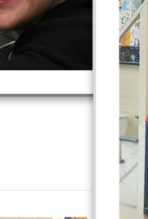
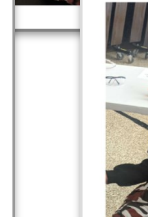
+Senior

*Leadership



+Senior

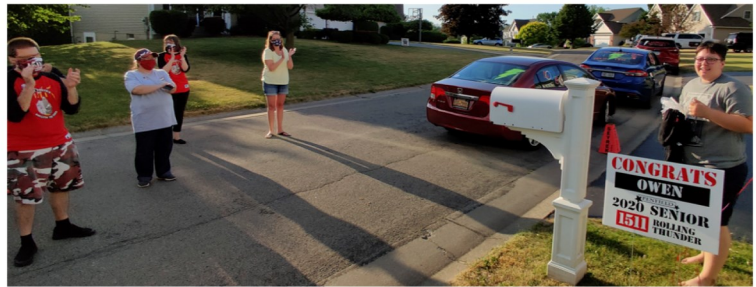
*Leadership



THANK YOU SENIORS!



MENTOR PARADE FOR SENIORS



MEET OUR MENTORS



Amy Averill*
Eric Averill*
Dave Burlone*
Mark Byers
Cynette Cavaliere
Tom Cavaliere
Carol Downs
Jeff Downs
Sarah Friscano*
Josh Gannon*
Josh Goodman
John Hall (Bear)
Hugh Hastings
KT Hastings
Nancy Hastings
Rohan Khaleel
Roseanne Khaleel
Jason Kuberka
Amy Leute

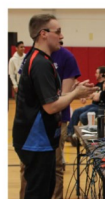
Larry Lewis+
Leann Lewis
Kristi McOmber
Lisa Paille
Gabe Rosenberg
Anthony Spinelli*
Chris Sowden
Janet Sowden
Ben Stoeckl
Christian Stoeckl
Akili Tobeche II*

Teachers:

Ralph Pizzo
David Weisbrod

+Lead Mentor

*L3 Harris



AWARDS

2020

INFINITE RECHARGE

Miami Valley Regional
Fairborn, OH
February 26–27

Chairman's Award

2019

DESTINATION: DEEP SPACE

Festival de Robotique
Montreal, QC
February 28–March 2

Regional Finalist

Imagery Award

Finger Lakes Regional
Rochester, NY
March 14–16

Spirit Award

Dean's List Finalist:

Kyle Berg

2018

POWER UP

Midwest Regional
Chicago, IL
April 6–7

Imagery Award

2017

STEAMWorks

Finger Lakes Regional
Rochester, NY
March 16–18

Chairman's Award

Dean's List Finalist:

Jordan Sayegh

Woodie Flowers Finalist:

Cynette Cavaliere

Midwest Regional
Chicago, IL
March 31–April 1

Regional Winner

Engineering Inspiration Award

Championship
St. Louis, MO
April 27–29

Championship

Subdivision Winner:

Curie

2016

Stronghold

Greater Toronto
Central Regional
March 3–5

Regional Finalist

Chairman's Award

Finger Lakes Regional
Rochester, NY
March 24–26

Imagery Award

Dean's List Finalist:

Amal Elhelw

Woodie Flowers Finalist

Championship
St. Louis, MO
April 28–30

Championship

Subdivision Winner:

Curie

2015

Recycle Rush!

Festival de Robotique
Montreal, QC
March 19–21

Chairman's Award

Finger Lakes Regional
Rochester, NY
March 26–28

Spirit Award

Dean's List Finalist:

Tess Kremer

2014

Aerial Assist

NY Tech Valley Regional
Troy, NY
March 13–15

Engineering Inspiration Award

Finger Lakes Regional
Rochester, NY
March 27–29

Chairman's Award

2013

Ultimate Ascent

Finger Lakes Regional
Rochester, NY
February 28–March 2

Gracious

Professionalism Award

Dean's List Finalist:

Ciana Robertson

Woodie Flowers Finalist:

Larry Lewis

Boston Regional
Boston, MA
March 21–23

Regional Winner

Industrial Safety Award

Gracious

Professionalism Award

AWARDS (CONT.)

2012

Rebound Rumble

Finger Lakes Regional
Rochester, NY
March 8–10

Innovation in Control Award

Dean's List Finalist:
Justin Byers

Woodie Flowers Finalist:

Jeff Downs

Volunteer of the Year:
Larry Lewis

Connecticut Regional
Hartford, CT
March 29–31 2011

Engineering Inspiration Award

2008

FIRST Overdrive

Finger Lakes Regional
Rochester, NY
March 6–8

Engineering Inspiration Award

Philadelphia Regional
Philadelphia, PA
April 16–20

Imagery Award Safety Award

2011

Logo Motion

Finger Lakes Regional
Rochester, NY
March 3–5

Gracious Professionalism Award

Dean's List Finalist:
Jason Kuberka

Washington DC Regional
Washington, DC
March 24–26

Chairman's Award

2007

Rack 'n Roll

Finger Lakes Regional
Rochester, NY
March 9–11

Chairman's Award

Boston Regional
Boston, MA
March 22–25

Team Spirit Award Website Award

2010

Breakaway

Finger Lakes Regional
Rochester, NY
March 4–6

Engineering Inspiration Award

Boston Regional
Boston, MA
March 25–27

Regional Finalist

Chairman's Award

Coopertition Award

Dean's List Finalist:
Crystal Vongnaphone

Championship
Atlanta, GA
April 15–17 2010
Quarter Finalist: Curie

2006

Aim High

Finger Lakes Regional
Rochester, NY
March 9–11

Engineering Inspiration Award

Boston Regional
Boston, MA
March 23–25

Imagery Award

2009

Lunacy

Finger Lakes Regional
Rochester, NY
March 5–7

Regional Finalist

**Kleiner, Perkins,
Caufield & Byers
Entrepreneurship Award**

Chesapeake Regional
Chesapeake, MD
March 19–21

Imagery Award

Website Award

Chairman's Award

Championship
Atlanta, GA
April 15–18 2009

International Judges Award for Integrated Performance

2005

Triple Play

Finger Lakes Regional
Rochester, NY
March 3–5

Rookie All-Star Award

Buckeye Regional
Cleveland, OH
March 24–26

Highest Seeded Rookie Award

Greater Toronto Regional
Toronto, ON
March 31–April 2

Regional Champions

Rookie Inspiration Award

Team Spirit Award

Championship
Atlanta, GA
April 21–23

Rookie All-Star Award

CHAIRMAN'S EXECUTIVE SUMMARY 2020

Briefly describe the impact of the *FIRST* program on team participants with special emphasis on the 2018/2019 year and the preceding two to five years

1511 focuses on developing students into leaders in their community, in the Capitol & in their futures. In 5 years 100% of alumni went to college; 98% pursued STEM careers. Alumni received \$300k+ in *FIRST* scholarships. 1 in 5 alumni are *FIRST* mentors. In 5 years, 22 alumni mentored us. Alumni work at NASA, Amazon, Toyota and L3HARRIS. Mentors learn to manage, network, collaborate & volunteer in *FIRST*. 1511 is welcoming & inclusive, developing lifelong friendships. We will always be 1511 members.

Describe the impact of the *FIRST* program on your community with special emphasis on the 2018/2019 year and the preceding two to five years

This year, we held 63 community events: Children's Hospital walk; Honor Flight, AutismUp; raised \$27k+ for causes; MEGADrive donated 14K+ items! Supported local homeless community by donating socks & food. Robot demos: Girls in STEM @ RIT, 2 NYS Fair booths (266k attendees), STEAM Fest (900 K-8 students), Roc Maker Faire (4.5k), ImagineRIT (30k), July 4th Parade (2k). Helped Girl Scouts earn robotics badge. Safety Program & Leadership materials used by PHS! Robotics Board of Reps formed in 2018.

Team's innovative or creative method to spread the *FIRST* message

NEW this year: We started Robot Cage Match, an event to promote *FIRST* where Penfield students cheered on admins & teachers who drove our bots to play Destination: Deep Space. This year we created Grateful Red, a free music fest with food trucks & robot demo at our town amphitheater as a fun way to promote *FIRST*. It was aired on TV news! We now stream all our events on Spectrum TV/AppleTV/Twitch/YouTube/Roku. Trivia Night engaged 100+ community members. Penfield *FIRST* Expo gets kids into *FIRST*.

Describe examples of how your team members act as role models and inspire other *FIRST* team members to emulate

We have high standards for team conduct in & out of competition. Teams model after us for events, Chairman's, leadership, safety program & fundraising. Teams call our Pit & Shop, Thundermart, because they can get any parts, tools, mentorship or technical help from us. We teach teams via workshops, presentations at Champs/Regionals/Kickoff, mentorship & funding. At all levels of *FIRST*, we run our own events, volunteer at others, started 107 teams in 5 years (24 this year) & mentor (16 this year).

Describe the team's initiatives to help start or form other FRC teams

1511 mentors went to China and inspired the start of 2 teams whom we remotely mentored in 2017; helped 7635 make parts, ship their bot and attend FLR. Raised \$2500 for Afghan Dreamers registration. Urged teachers/admins to put *FIRST* in their schools at Science Teachers' Assoc. NYS & NYS School Board Assoc. conferences. 1511 webinar & materials in the *FIRST* Fundraising Toolkit help sustain. This year we started the NY Advocacy Conf. to teach teams how to lobby for *FIRST* funding & grow NY *FIRST*.

Describe the team's initiatives to help start or form other *FIRST* teams (including Jr.FLL, FLL, & FTC)

Due to 1511, Penfield has all levels of *FIRST*: teacher stipends, LEGO kit funding, 1511 mentorship & starting FTC6996 & Penfield FLLJr. This year, we started 8 more FLLJr & 16 FLL; funded 1 FLL; mentored 1 FTC, 12 FLL & 3 FLLJr teams. We offer Help Sessions (15 this year) & info on starting teams. We focus on underserved areas: joined RIT to start urban/rural teams, mentor a city school team, run 4 low-cost FLL camps to reach more kids. In 5 years, we gave \$39k to 250+ FLLJr/FLL/FTC teams.

Describe the team's initiatives on assisting other *FIRST* teams (including Jr.FLL, FLL, FTC, & FRC) with progressing through the *FIRST* program

This year we assisted 33 FRC teams: making parts, mentor training, webcasting, Chairman's & funding. We assisted 2 FTC, 12 FLL & 5 FLLJr teams: game tests, website &

EXECUTIVE SUMMARY (CONT.)

competition help. We host trainings & conferences on strategy, student integration, advocacy & leadership. 1511 became the designated team liaison for eNABLE in 2019. We fund team supplies & registration fees. We run & volunteer at *FIRST* events & hosted the Penfield FLL/FTC Qualifiers. 85% of FTC6996 students move on to 1511.

Describe how your team works with other *FIRST* teams to serve as mentors to younger or less experienced *FIRST* teams (includes Jr.FLL, FLL, FTC, & FRC teams)

We mentored 66 FLLJr/FLL/FTC & 7 FRC teams in 5 years. Started NY Advocacy Conf. with FRC20 & 4122 inspiring 8 teams to lobby for *FIRST* in NY. FRC2468 invited us to present at SACOT. We co-hosted an FLL off-season w/ FRC578. We presented on team structure & strategy at SWATposium w/ FRC771. We presented on advocacy at Champs w/ FRC27 & FRC1816. At our Kickoff we present on strategy & beta testing results. Our All-Rookie Meet & Greet is focused on sustainability: assisting 300 teams in 5 years.

Describe your Corporate/University Sponsors

L3Harris has been our main corporate sponsor for 16 years. They are a supplier of government/commercial communication systems. The Kettering/GMI Alumni Assn. awarded us with a sponsorship (1 of 8 teams out of 100+ applicants). Each year 60+ Patron Drive sponsors provide a local connection and range from small families to international companies. Apple provided us with a registration grant. Patron Drive: Each year students talk to 400+ businesses advocating *FIRST*. This year we raised \$19k+.

Describe the strength of your partnership with your sponsors with special emphasis on the 2018/2019 year and the preceding two to five years

L3Harris provides funds, 7 mentors, student-designed parts, scouting tablets scouting, a Mentor Thank You Lunch & tours for us & our FLL teams. We demo at their events & Take Your Child to Work Day. Mentors work year-round, involved in school curriculum & team building. Other sponsors provide 4 mentors, late-night welding & parts. Our school provides overtime for janitors, workspace, machinery/tools & stipends for 3 advisors. We send sponsors newsletters & invite them to our events to thank them

Describe how your team would explain what *FIRST* is to someone who has never heard of it

FIRST breaks cultural norms, inspiring students to pursue STEM careers, look up to STEM professionals & be change makers. *FIRST* provides limitless opportunities students can't find elsewhere through the practical application of STEM skills. It is a safe place for students to take risks, learn from their experiences & grow into the next generation of STEM LEADERS. It's where students have a sense of belonging & make lifetime friends. This makes them want to mentor & stay in *FIRST*. And it's FUN!

Briefly describe other matters of interest to the *FIRST* judges, if any

Our goals are to help teams & ourselves reach full potential, be all-inclusive & encourage LEADERSHIP. We've impacted our school's curriculum with our safety & leadership trainings. This year, 6 of our alumni are mentoring our team & 4 are Lead Mentors on others. Alumni & mentors volunteer at 1511 & *FIRST* events at all levels. Our team bonds through traditions like Ice Cream for Breakfast Day, Shamrock Shakes after Rally field build, Y-pose across stadiums to each other & dancing our hearts out.

For *FIRST* Robotics Competition teams older than 5 years, briefly describe your team's broader impact from its inception.

1511 leads the way year-round; creating the first Rochester offseason event that runs much like a FRC competition with 44 teams; running high impact demos to an estimated 3 MILLION; helping teams in 17 countries; being published in a book & magazine; drafting a children's book; & lobbying to pass state & national legislation! We've created a high density of local *FIRST* teams and the need for more FLL/FTC events. Mentored 60+ FLLJr/FLL/FTC & 29 FRC teams in 15 years.



CHAIRMAN'S AWARD ESSAY



When faced with a new opportunity that's within our resources, 1511 asks "Why Not?" It opens us up to new ideas that lead to amazing opportunities, enabling 1511 to grow and improve. This year we started the NY Advocacy Conference (NYAC) and a rockin' music fest; built excitement with teachers & admins about *FIRST* at the NYS School Boards Association (NYSSBA) & Science Teachers Association of NYS (STANYS) conferences and at our new Robot Cage Match; hosted the first FTC Qualifier & expanded FLL Jr in Penfield; streamed our events on TV; demoed at an all-girls STEM Fair, ComiCon & *FIRST* Night at the Ballpark; joined the LGBTQ+ of *FIRST* Alliance; donated 1,511 socks to a local shelter; drafted a kid's STEAM book & helped a Brownie Troop get a robotics badge. In addition, we've sustained events over the years to expand *FIRST* in our community to an estimated 3 MILLION PEOPLE!

ADVOCATING FOR CHANGE

1511 creates change by advocating for legislation that supports programs like *FIRST*. Every year, we speak to all levels of government to educate them about *FIRST*, from Governor Cuomo's office to Betsy DeVos! We're on the National Advocacy Conference (NAC) committee, attending since 2014. Our presentations at NAC & Detroit Champs encouraged more teams to lobby for change.

This led us to start NYAC. We invited Steve Hyer from NAC and the NY Deputy Secretary

of Education to teach attendees how to advocate effectively. 8 teams attended and advocated for a bill that would provide funds for new NY teams. The 2nd annual NYAC is in the works!

Our advocacy efforts contributed directly to the passage of the Every Student Succeeds & Perkins Acts, which provide equal opportunity for students in special education and increased funding for technical education, respectively. These acts set the precedent for funding programs like *FIRST*. Our reputation as an advocacy leader has led to cross-country connections with other teams, such as being invited to participate in the STEM Advocacy Conference of TX!

PROMOTING *FIRST* IN A BIG WAY

Part of developing motivated students is hooking them prior to Build Season. Since 2005 we've run Rah Cha Cha Ruckus, the first NY offseason event, which teams use to recruit and test new pit crews/drive teams. We've improved it every year, now holding it in a large concert venue for 44 teams, some from Canada and China. Teams used it as a model for STEMley Cup and Robot Rumble offseasons.

Rumble, our FLL offseason, gives teams another chance to compete. The All-Rookie Meet & Greet at Champs helps rookies network; we give them fundraising tips and leadership materials. We build the actual field for our week 0 scrimmage, Rally, where teams can test their robots.

A new way we share *FIRST* with a wider audience is by streaming all our events on Roku, Apple TV & Spectrum TV, including Twitch & YouTube. Since 2018, 5,000+ people from 27 countries have watched. We also have over 4,000 followers on social media and invite the press to all events.

This year we took it up a notch, mixing rock and robots by starting the Grateful Red Music Fest. We invited local bands and food trucks to

CHAIRMAN'S AWARD ESSAY (CONT.)

join our robot demo at the Town Hall Amphitheater, and raised money for AutismUp. It gave a new audience a firsthand look at what we do and was covered on local TV news, accessing more people. The next one is in the works! Our fun & innovative events have built a community that embraces *FIRST*.

IMPACTING OUR COMMUNITY

Our robot brings smiles to people at 20+ demos a year. We dove into the Maker movement 5 years ago when the Rochester Maker Faire started, organizing a large-scale exhibit featuring all levels of *FIRST*. It's so popular that the Maker Faire expanded our space to fit half a FRC field, FTC space & FLL/FLL Jr tables, helping us reach many of the 4,500 attendees.

This was our 10th year running a 2-day demo at the NYS Fair, introducing *FIRST* to a broader audience and encouraging more NY teams. We talked for hours to a potential 266,000 in attendance that weekend who came by our booths in 2 different buildings.

A 1511 goal is to get *FIRST* in all NY schools. We shared our passion for *FIRST* by presenting at NYSBBA, attended by 2,000+ education leaders, and showed off our bot at STANYS and to 900+ students at STEAM Fest.

Our annual Trivia Night fundraiser was created last year as an innovative way to engage the community. In its 2nd year, we more than doubled the revenue and attendance, with over 100 participants.

We remain visible in the community by lending a helping hand. We applied to be a Giving Partner with Bombas Socks and donated 1,511 pairs of socks to a local shelter to support the Rochester homeless community. While there, we made lunch and stocked their food pantry. Supporting personal causes, like the Leukemia & Lymphoma Society and the Ronald McDonald House, we've raised over \$27K. Our longest running service project is the *FIRST* MegaDrive. In 5 years, we've donated over

14,000 kids' books, toys, food items and school supplies to our community.

PROMOTING *FIRST* IN PENFIELD

Recruiting and retaining students from FLL Jr through FRC is a goal, so we incorporated *FIRST* programs into every Penfield school. We achieved this by working with our District to fund teacher stipends & LEGO kits, and we provided funds & mentorship to start teams. 85% of our FTC students move on to 1511. We excite kids about *FIRST* by showing off our robots every year at Penfield school events, Cobbles Elementary Science Night, Indian Landing Carnival, *FIRST* Expo at Bay Trail, Cobbles Ice Cream Social & the Penfield STEAM Fair.

Due to 1511's initiative, 160 Penfield District students are currently in all levels of *FIRST*. In 2013, we started and mentor FTC6996 and help them fundraise. New this year, we assisted them in organizing the first Penfield FTC Qualifier. This year, we started 8 new FLL Jr teams, mentoring 3 teams weekly for 11 weeks through a partnership with the Penfield Recreation Department, & held an expo for them! We started 16 FLL teams, mentoring 12 this year at 1511 Help Sessions.

We've awarded over \$21,000 in FLL grants in the past 5 years to start and sustain FLL teams, especially teams in underserved communities. Last year, we participated in RIT's STEP program aimed to get rural and urban FLL teams started. We've organized the Penfield FLL qualifier for 6 years & volunteer at the local FLL Champs every year. Our 4 low-cost FLL summer camps, in 2 towns, for 100+ kids in Rochester, makes *FIRST* accessible to all.

Strong bonds retain 1511 members beyond FRC. 1 in 5 of our alumni stay in *FIRST* as mentors. 22 of our alumni have mentored 1511 in the last 5 years; 5 currently. 4 of our alumni are FRC lead mentors; 2 run and mentor FLL teams. Many of our alumni volunteer at *FIRST* events. 98% of alumni from the last 5 years have gone into STEM careers. In memory of an

CHAIRMAN'S AWARD ESSAY (CONT.)

amazing 1511 alum, we created the Tommy Murphy Scholarship, and awarded it to our first 2 students last year.

Cage Match was our NEWEST event this year where school faculty went head to head driving our robots in a modified version of Destination: Deep Space to deepen their understanding of *FIRST*. They loved it! Our Superintendent tweeted about how he and his team (which included our Principal) had a new appreciation for robotics.

1511's CORE

We realize that investing in teammates is important because it creates enthusiastic students who are excited to introduce *FIRST* to a variety of audiences. By empowering students with leadership roles, they become more invested in our team. Our leadership subteam has 11 roles chosen by students based on interest and team needs (i.e. Student Coordinator to help retain members). We also reserve a role for new students to apply for leadership so they can learn from our other student leaders and grow as a leader. In addition to running our year-round meetings and approving our events, they run long term projects to teach the Engineering Design Process before Build Season, like making tennis ball launchers and competing with them during our holiday party. Each subteam is led by a mentor and one or two students. Three students also lead on the Robotics Board of Representatives, working with teachers, mentors and parents to develop team policies. Students can earn team roles at any grade level; we value and reward hard work and dedication over seniority.

Mentors guide students to discover their passion and utilize their strengths to meet team goals. Our Mechanical Subteam student leader ran a preseason Advanced CAD Class every Friday night with mentor guidance. Our artistic students used their skills to draft a children's book about STEAM superheroes to engage a younger audience. Last summer, we built a swerve drivebase; and as a plus, new students

joined the project and made friendships with returning students.

Students run fundraisers as part of our Student Achievements System. Patron Drive, our largest fundraiser, helps to train us in communication skills. We gain financial support while learning how to interact with people in positions of power. We raised 60% more funds than last year after meeting with 400+ businesses & community members. 1511's model is featured in the *FIRST* Fundraising Toolkit and many teams have used it.

1511 provides other ways to lead year-round through student-run activities, 63 this year. Students also participate in event planning for our major events. Our Leadership Boot Camp is an all-day intensive training where students develop skills like public speaking and time management. We apply our skills in real-world, effective ways at Board of Ed. presentations, Champs Conferences and Advocacy. Our 8 Dean's List Finalists are evidence of our team's success in developing leaders.

THE THUNDER KEEPS GETTING LOUDER!

Our team is inclusive, helpful, responsive & dedicated to creating future STEM leaders who understand the importance of giving back to the world around them.



DEAN'S LIST NOMINEE: JADON BLAAKMAN



Jadon has been a member of *FIRST* for the past 10 years. He is a true *FIRST* legacy student, starting in FLL Jr, being part of multiple FLL teams, on FTC6996, then finally joining FRC1511. His

years of experience have helped him understand what makes a robotics team and he brings those lessons to 1511.

According to Jadon, the key components of a GREAT robotics team are passionate team members who embrace their team spirit, which bonds them. He also understands the value of good mentorship, reflecting on when his mentors took the time to teach him how to use specific tools and machinery. He said it opened a whole new world for him with an “explosion of opportunity.” He says he still remembers his lines from his FLL presentation skit because his mentors were so motivating and supportive. Jadon has applied these models to contribute to his *FIRST* teams effectively.

Never forgetting his *FIRST* roots, he volunteers at the local FLL qualifiers and Championship events. He gives back to his former team, FTC6996, by helping them fundraise at the annual Bill Gray’s robot demonstration and by babysitting at their Kids Night Out event.

Jadon’s entrepreneurial spirit has been shown in his most recent project, creating a children’s book about STEAM superheroes. What started as a fun side project soon turned into a large leadership effort. Jadon organized multiple team members, including new team members and friends not even on the team, to storyboard, write and illustrate. He hopes to publish it by this summer to help engage children in STEAM and inspire them to join *FIRST*.

This year, Jadon decided to pursue a formal leadership role on the team to continue to develop his leadership skills. He was voted into the Robotics Board of Representatives by his peers, where he works as an equal partner with teachers, mentors and parents to make team policies. This has also allowed him to learn the inner workings of administration of the team and the importance of leadership in helping the team grow.

He is also the leader of the Robot Controls subteam, blending his artistic side with his technological savvy to produce impressive controls. He is the main student working in Inventor CAD and is involved in every part of the controls. He leads by example; he is a team player and always shows up ready to work and is willing to do what needs to get done, even if it is not the most exciting task.

He continues to help our team be successful by volunteering at all of the team’s major events, including Ruckus, our offseason event, Rally, our pre-competition scrimmage, and the Grateful Red Music Festival. The festival is our newest event where we invited local bands and food trucks to join our robot demonstration at the Town Hall Amphitheater. Jadon helped show off the robot to a new audience to help them get a firsthand look at what we do and what *FIRST* is all about. He also shared his passion for *FIRST* at our largest robot demonstration, the NYS Fair, with over 266,000 people in attendance the weekend we were there.

He also raises funds for several charities like the Leukemia and Lymphoma Society at Light the Night and AutismUp at the Grateful Red Music Festival. In 2019, Jadon answered the call to be 1511’s new Food Drive Coordinator. For the last two years, he has organized and run our annual Souper Bowl Food Drive, a Super Bowl themed food collection for the Penfield Ecumenical Food Shelf. He remains the key contact for the team’s other food collections throughout the year.

Jadon keeps improving his *FIRST* legacy each year with the many different ways he leads on 1511: the Robotics Board of Representatives, Robot Controls Subteam Leader, leading the team food collections, and spearheading a large effort to write a children’s STEAM book. He plans to pursue a career in animation to combine his natural artistic talent with his technical expertise. His passion for *FIRST* keeps him involved at all levels, and we’re sure he will always be a lifelong member.



DEAN'S LIST NOMINEE: ALEX FABRIZI



Alex is an enigma. He is thoughtful, asks many insightful questions and he is kind to everyone he meets. He is quiet and reserved, but he is always leading and teaching others in his own way, which is

part of what makes him a major contributor to 1511.

His passion about 1511 and *FIRST* is rooted in his core. He is a *FIRST* legacy student, coming up from FLL. His older brother was on 1511 so he became a junior member, welcoming veterans home from Honor Flight, attending FLR and Ruckus, baking cookies for the team and helping with our International Potluck dinner.

Alex still remains involved in FLL and FTC. He volunteers at the Penfield FLL and FTC qualifiers, spending many weekend hours setting up and tearing down the events.

When it comes to the robot, Alex is all in, being an integral part of the design, build and programming. He logged 242 Build Season hours in his first year, the most of any new student! He has currently logged 185 hours, the most of any student this year. He creates professional-level Inventor CAD drawings that get sent to our main sponsor, L3HARRIS, for manufacturing. He looks for new ways to enhance his skills, such as attending our Friday night Advanced CAD classes. He is proficient in all shop machinery and tools (lathe, mill, bandsaw, drill press) making many parts himself. His precision is notable, making sure that the mill is lined up to a thousandth of an inch.

Last year, he prototyped hatch mechanisms and made a majority of the drive base parts, even the bumpers. This year he is co-leading the Hang Subteam. He has been part of the Programming subteam the last 2 years and knows multiple languages like C++, Python and ROBOTC. At our robot repair sessions, he helps make our older robots better for demos, like upgrading 2017's shooter to eliminate jamming and improve agitation.

Alex is also a core member of the Strategy subteam. He excels at analyzing the game rules and understanding all of their intricacies. He was the first to get a 100% on 1511's game manual test, less

than 24 hours after the test was released, and a full 2 days before anyone else. At competition last year he was on our Pick List team as a Super Scouter, where he was an expert on the other robots at competitions. He scouted during all qualification matches at each of our events, helping our team make Finalists at the Montreal Regional last year! Due to his hard work ethic and strategic knowledge, he was selected to be a member of our Secondary Drive Team this year. In this high-pressure role, he is engaged in driver training and is prepared to represent the team on the field.

His secret talent is teaching. He mentors 1511 students in Inventor CAD and repairing the robot, as well as assisting them in scouting. He is welcoming to all new students, answering their questions, teaching them about GP, and sets an example by also being a Gracious Professional.

Outside of the shop, Alex participates in numerous 1511 robot demonstrations, promoting *FIRST* to thousands in attendance: L3HARRIS, Rochester Maker Faire and Imagine RIT. He helped promote *FIRST* to our school as a referee at the Robot Cage Match where PHS teachers and administrators competed with our robots to help spread *FIRST* in our school. He lends a helping hand at many community events: water station at the Marathon, Leukemia and Lymphoma Society walk, and collecting food donations for the Penfield Food Shelf and Ronald McDonald House. He volunteers at 1511's major events: Rah Cha Cha Ruckus offseason, Week 0 Scrimmage and Trivia Night, our newest community fundraiser. He does all of this while maintaining a 3.7 GPA and taking multiple AP and Honors courses.

Alex credits *FIRST* for helping him discover his passion for STEM and directing his career path as either a mechanical or software engineer. He plans to stay involved with *FIRST* after he graduates by volunteering and eventually mentoring FRC. We credit Alex's commitment and initiative for making 1511 a stronger student-led team!



WOODIE FLOWERS ESSAY: ROSEANNE KHALEEL



Without Roseanne, 1511 would be a dramatically different team. Because of her, we have a better design process, we are more sustainable in our school, and she makes us feel valued. Her passion and drive

for STEM and *FIRST* inspires us to work hard to be the best that we can be.

Logging over 250 hours during build season (more hours than she works!), she takes charge through robot design and build while effectively managing our robot design binder, improving our team-wide communication and generating student autonomy. Having a mentor that treats us like family is special. Roseanne takes the time to get to know us individually and we can count on her to be the first one to know us by name. No matter their learning style or level of experience, Roseanne includes every student. For visual learners, she uses her skills as an architect to draw out problems. For others, she walks them through the process step-by-step, answering questions along the way.

Roseanne recognizes everyone's potential and feels it is important that we get firsthand leadership experience, so she assigns leadership roles to students and guides them at integration meetings. She teaches us how to effectively communicate between subteams to ensure robot construction goes smoothly. To help us analyze designs for our robot and determine which is most feasible, she taught us about weighted objective tables, which is now a vital part of our design process.



But she doesn't stop at our team!

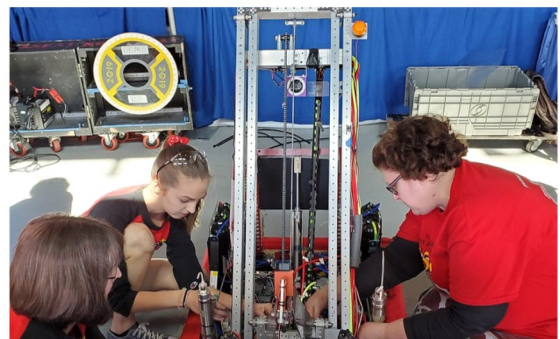
Her devotion to *FIRST* brought her across the globe to China to mentor FRC students in the 2017 *FIRST* China International Invitation! While there, she helped students build an FRC robot for an off-season event. They won! Roseanne inspired the creation of 2 FRC teams and she arranged remote mentorship of both teams, setting up a WeChat to give 1511 students the opportunity to mentor and network with these students.

Her care for the future of 1511 shines through the work she has done with the school district as part of the Robotics Board of Representatives (RBR). She pioneered the effort to document team policies that are in line with school policies to allow 1511 to have the freedom to grow. We're grateful for the time she devoted to ensuring the team's sustainability.

Roseanne organizes a Judge Bed & Breakfast for judges that come to the Finger Lakes Regional. The initiative removes economic boundaries for traveling judges. As a devoted *FIRST* volunteer for the past 8 years, Roseanne has volunteered and judged at many *FIRST* competitions from FLL qualifiers to FRC Champs, always wearing her 1511 camo pants.

Roseanne brings so much more to the team than a simple mentorship and helps us in ways that are not obvious, like her annual financial contribution to the team as a Patron.

Donning her Rosie the Riveter-style headband, she is our Rosie: strong and determined, showing us that anything is possible.



COMMUNITY OUTREACH



Grateful Red Music Fest



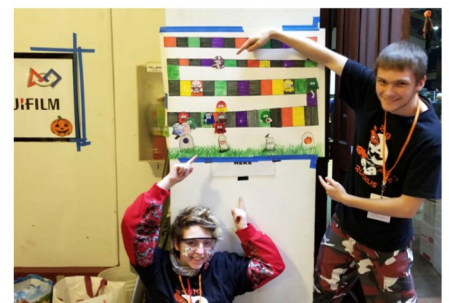
Ronald McDonald House Sale Unloading



Light the Night Walk



**Dimitri House Bombas Sock Donation
& Meal Preparation**



FIRST MegaDrive

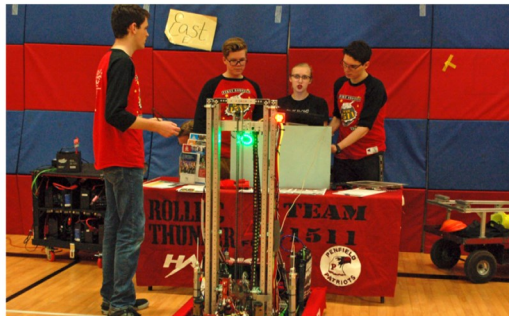
DEMOS



Rochester Red Wings



NYS Fair



Indian Landing Carnival



Penfield's Independence Day Parade



Spencerport Robopalooza



Brownie Robotics: Programming Robots

DEMOS (CONT.)



Maker Faire



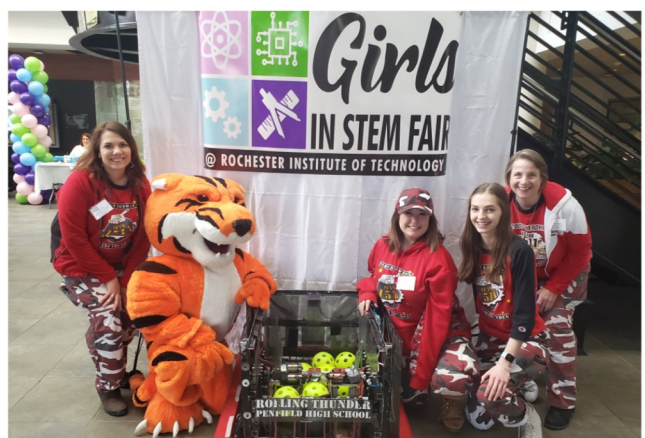
Cage Match



Cobbles Science Night



L3Harris Bring Your Child to Work Day

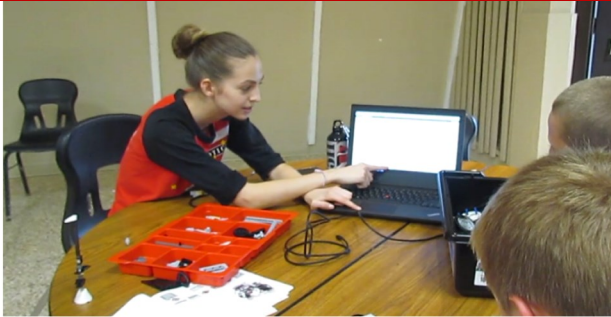


RIT Girls in STEM Fair

FIRST INVOLVEMENT



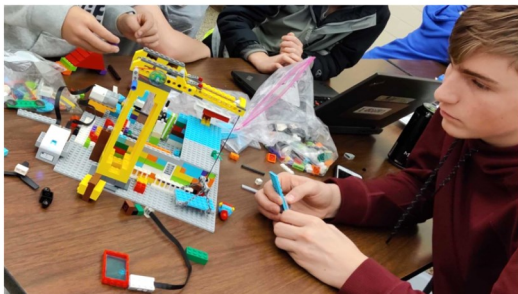
Penfield and Gates FLL Summer Camps



FLL Finger Lakes Qualifier



FTC Finger Lakes Qualifier



FLL Jr. Help Sessions



FLL Championship (U of R)

ADVOCACY/SPREADING *FIRST*

NY State School Boards Association's Annual Convention & Education Expo.



Marisa Zwick
FRC 1511 - Penfield, NY

The STEM Advocacy Conference of Texas



WROC FLR Interview

Team 1836 Presents



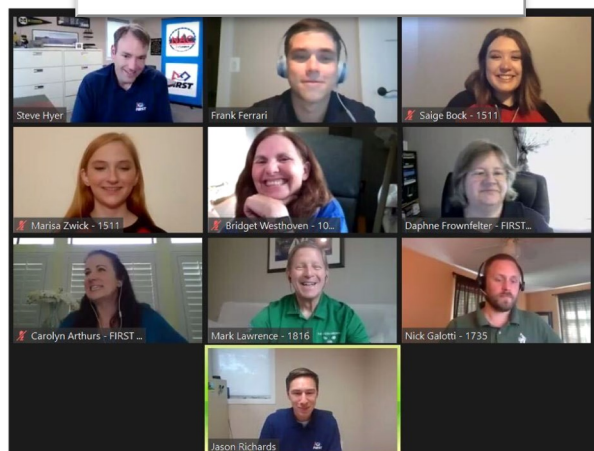
VIRTUAL ROBOT SHOWCASES

Milken Knights Virtual Robot Showcase

Presentation Order:

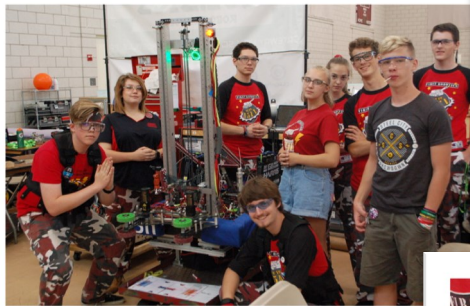
| | | |
|-------------------------|---------------------------|-------------------------------|
| 36 - The MilkenKnights | 1511 - Rolling Thunder | 117 - Steel Dragons |
| 35 - Galaktech Invaders | 7439 - QUBIT | 4188 - Columbus Space Program |
| 91 - NoMythic | 862 - Lightning Robotics | 1684 - The Chimeras |
| 67 - That ONE Team | 2638 - Rebel Robotics | 3566 - Gono Fishin' |
| 06 - Merge Robotics | 5577 - Kinematic Wolves | 67 - H.O.T. |
| 404 - Brazilian Storm | 5943 - The Bad News Gears | 1758 - Technomancers |
| 19 - Ladies First | 4909 - Nionics | 3322 - Eagle Imperium |
| 4 - Rockets | | |

FRC 1511 – Rolling Thunder



2020 FIRST Virtual National Advocacy Conf.

STEEL CITY SHOWDOWN



PRESEASON



PRESEASON (CONT.)



FUNDRAISING



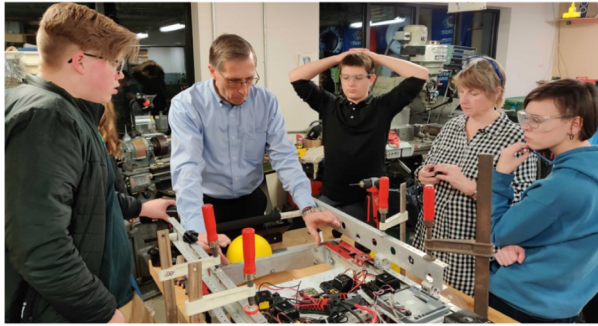
RAH CHA CHA RUCKUS



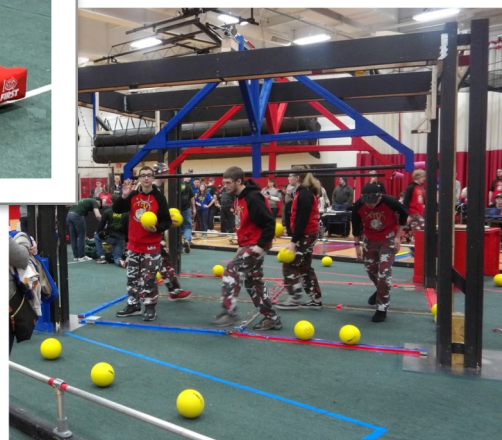
BUILD SEASON



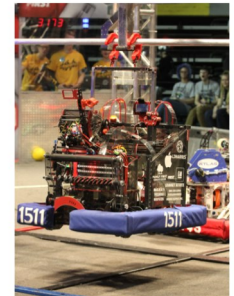
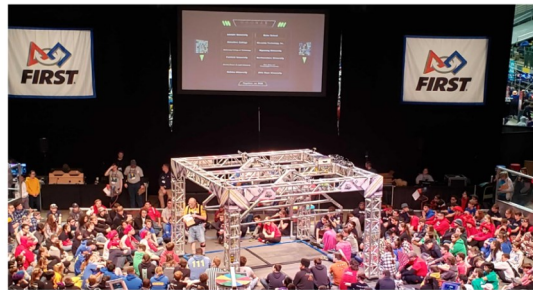
BUILD SEASON (CONT.)



ROCHESTER RALLY



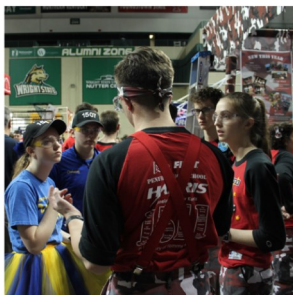
MIAMI VALLEY REGIONAL



MIAMI VALLEY REGIONAL (CONT.)



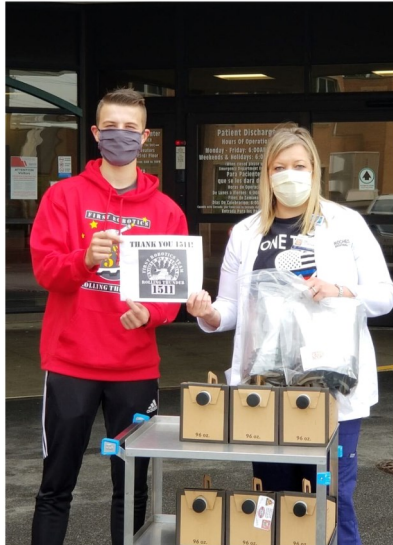
MIAMI VALLEY REGIONAL (CONT.)



COVID-19 RESPONSE

While it was a disappointment when *FIRST* suspended the season and cancelled both *FIRST* Championships, we are proud of this team and all the accomplishments we had this season. We earned the Chairman's Award, produced an awesome robot, learned a lot, and had fun!

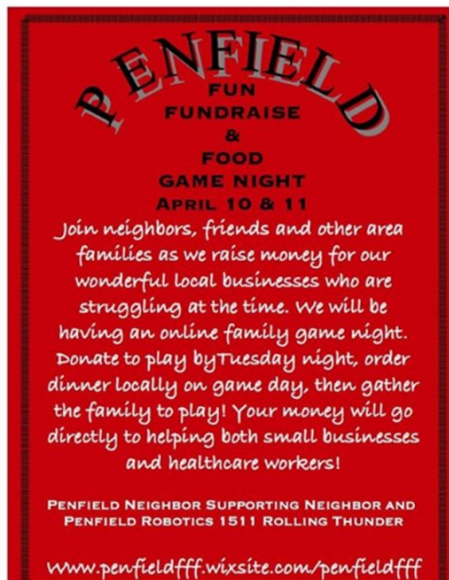
How did we move forward? By doing all we could as a team to give back to our community and our small business sponsors, to aid and support those working the front-line during COVID-19, to continue to spread the *FIRST* message and more!



Providing doctors and nurses on the front lines meals using local small businesses



3D printing and distributing face shields and mask straps to the medical community



A Community Kahoot! Game to help families in the community connect (and raise money to support local small businesses and front-line workers)



We Can Robot – a series of short videos to educate and excite elementary age students about robotics and STEAM on YouTube.

PICNIC



REPRESENTATIVE BOARD OF ROBOTICS

Students

Kyle Berg, Jadon Blaakman, Nevin Woodside

Parents

Matt Jewett, Amy Leute, Michelle Woodside

Mentors

Amy Averill, Cynette Cavaliere, Hugh Hastings

Teachers

Ralph Pizzo, David Weisbrod

MEET OUR TEAM SPONSORS

Advance Auto Parts
Advantage Federal Credit Union
Agape Counseling Associates
All Breed Grooming Corner
All Star Pizza
Apple
The Art Stop
Barks and Blowouts
Bauman's Farm Market & Garden Center
Bob and Linda Wayland-Smith
Bond, Schoeneck & King
The Bonadio Group
Charley Brown's of Penfield
Cytec Corporation
DataBridge Integrations, Inc.
Dawson Law Firm, P.C.
Debbie Supply
Don's Original Restaurant and Pub
Dostie Contracting
Drelicks Welding Service
Lynn and Peter Dowd
Edward Jones-Geoffrey Glanville, Advisor
The Khaleel Family
Kathy Elhelw
Kettering /GMI Alumni Association
Eyesite
Fairfield's Bar & Grill
Family First Credit Union
The Financial Guys
Flower Barn
Geoca Homes
General Motors
Global Events/Events Casting
Hardwood Outlet
The Home Depot
Hong Wah
Howard Hanna Real Estate Services
Jody B's Studio of Dance
Just Games
Kodak

Mark's Pizzeria
Loki & Roxie Mraz
Master Kim's Tae Kwon Do Institute
The McOmber Family
Miss Mandy's Daycare
MLC Styles
Nancy Mori
Nifty Bar Grinding and Cutting Solutions
OS-Cubed Inc.
Oxford Capital Mortgage
The Paille Family
Panorama Collision
Jack Pecora General Contracting
Penfield Jewelry & Coin
Penfield Therapeutic Massage
Premier Sign Systems
Jean Potter
PrimeLending
Rochester Area Music Project
Renjen Orthodontics
Rhen Design Architecture
Richard and Beverly McOmber
Roland Orthodontics
Sandee and Bernie Dropcho
Snooky Kurtz
Helen Snyder
Linda Snyder
Sowden Family
Jim and Tiffany Stampfer
Superfly DMC
Tom and Cynette Cavaliere
Tomax Homes
Tony and Mary Ellen Mraz
Tree Town Cafe
Vogel's Collision
Wegmans
Weis Family
Marilyn and Bill Woodside
WROC



**Snooky Kurtz & Flash are
proud sponsors of
Penfield High School's FRC
team 1511, *Rolling
Thunder*.**





PATRON BOOK PRINTING COURTESY OF...

Kodak



Proud Sponsor of Penfield Rolling Thunder 1511 Team!

8 BRANCH LOCATIONS

**We make your debit card
INSTANTLY on-site!**

**Visit our closest Penfield Branch
2515 Browncroft Blvd.**

**585.494.5900
advantagefcu.org**

ADVANTAGE 
FEDERAL CREDIT UNION

Federally Insured by NCUA.



Therapy For Individuals,
Couples & Families



1.585.385.6030
www.agaperoc.org

Panorama Plaza
1601 Penfield Road
Rochester 14625

info@barksandblowouts.com

facebook.com/BarksandBlowouts

barksandblowouts.com



Dog Grooming & Daycare

585.490.7605

Grooming



Our grooming services include
nails trimmed and filed
ears cleaned, a bath in a
luxury shampoo best suited for your dog's
skin and coat, a full brush out,
a signature haircut by a
NDGAA registered groomer.

Prices based on weight & coat

Give us a call or text to
set up a meet and greet!

Daycare



Our small dog daycare offers your dog
a fun filled home away from home.
Our playroom includes a K9 playground,
a puppy ball pit, and plenty of toys to play with.
For added comfort, we have a large couch,
bean bag chairs, and hide-away tents!

35lb and under

Making the numbers

WORK

— for the —

THE MAKERS OF TOMORROW

The Bonadio Group proudly supports the Penfield High School Robotics Team.

Big firm capability. Small firm personality.

THE BONADIO GROUP
CPAs, Consultants & More

CONNECT WITH US

877.917.3077

bonadio.com



Albany | Batavia | Buffalo | East Aurora | Geneva | New York City | Rochester | Rutland | Syracuse | Utica

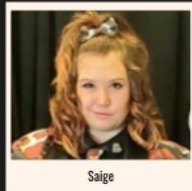
CONGRATULATIONS SENIORS

Team 1511
Rolling Thunder

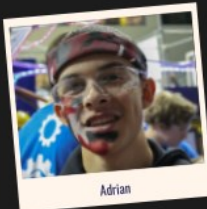


Kyle

PHS Seniors
Class of 2020



Saige



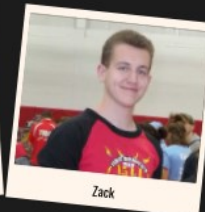
Adrian



Matt



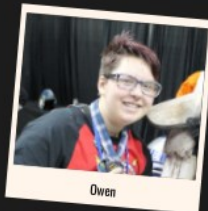
Allison



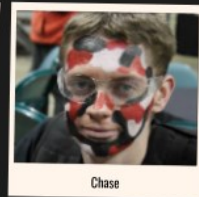
Zack



Michael



Owen



Chase



Tristan



A.J.



Josh



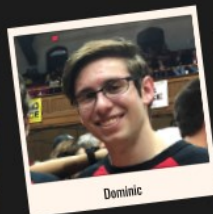
Alex



Joe



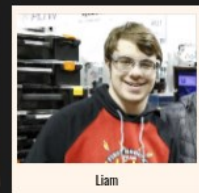
Michael



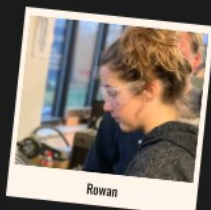
Dominic



Gabe



Liam



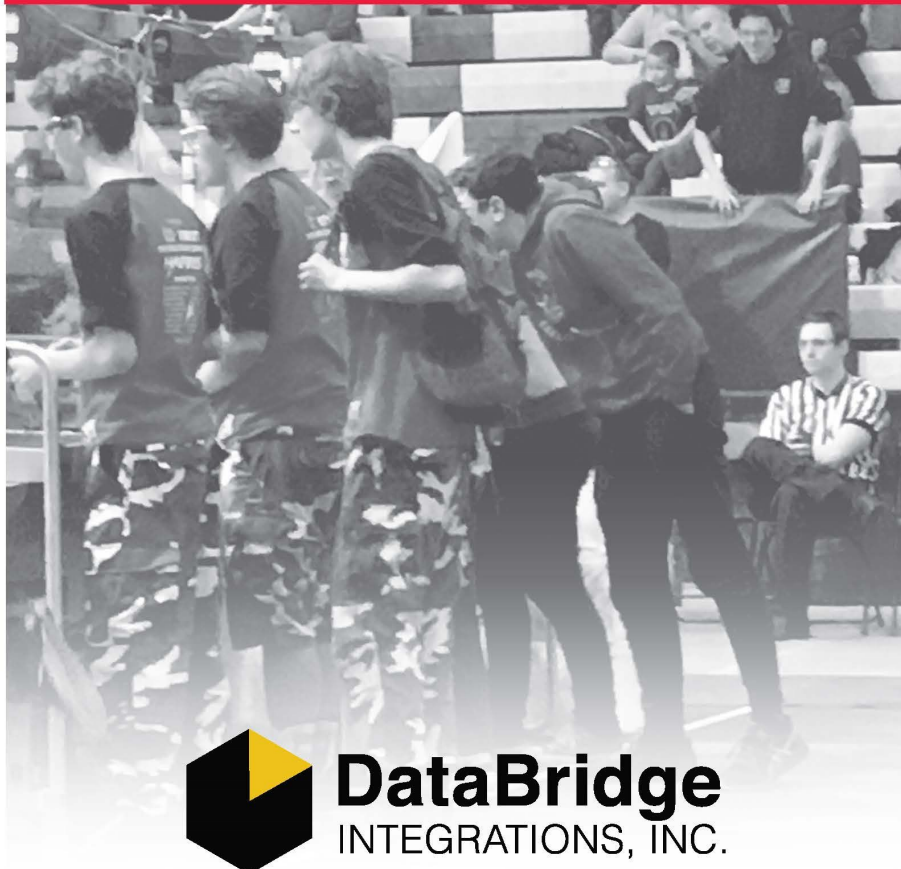
Rowan

Best wishes for the future!
Tom and Cynette Cavaliere

Good Luck

1511

ROLLING THUNDER



DataBridge
INTEGRATIONS, INC.

**Integration Solutions
Maximizing Efficiency**

www.databridgeinc.com



1844 PENFIELD ROAD
PENFIELD, NEW YORK 14256

PHONE: (585) 381-8240
E-MAIL: ADMIN@DLFPC.COM



OUR PENFIELD FIRM PROVIDES COST EFFECTIVE LEGAL SERVICES FOR BUSINESS. WE ARE DEDICATED TO SERVING THE NEEDS OF BUSINESS OWNERS BY FINDING REAL SOLUTIONS TO LEGAL ISSUES THAT FOCUS ON THE INDUSTRY AND OWNER'S GOALS.

BEST OF LUCK TO THE PENFIELD **ROBOTICS TEAM!**





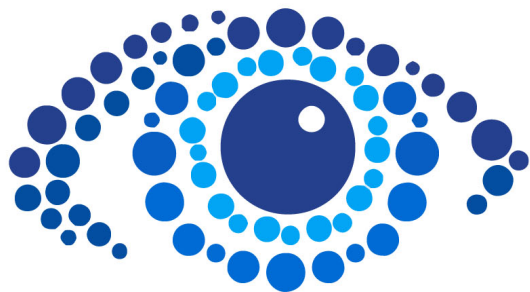
**For All of Your Home Improvement and Hardware
Needs**



Debbie Supply has been family owned and operated in East Rochester for over 50 years. There is no need to go to one of those huge chain home improvement stores just so you can wander around endlessly looking for what you need. Debbie Supply is just big enough to hold exactly what you are looking for. You will be amazed at what they have from everyday nuts & bolts to specialty plumbing parts you didn't even know existed. Their sales staff is top notch and knows just what you need

(585) 586-8069

**453 West Commercial Street, #1
East Rochester, NY 14445**



2142 Penfield Road
Penfield, New York 14526

585.377.7090

EYESITE

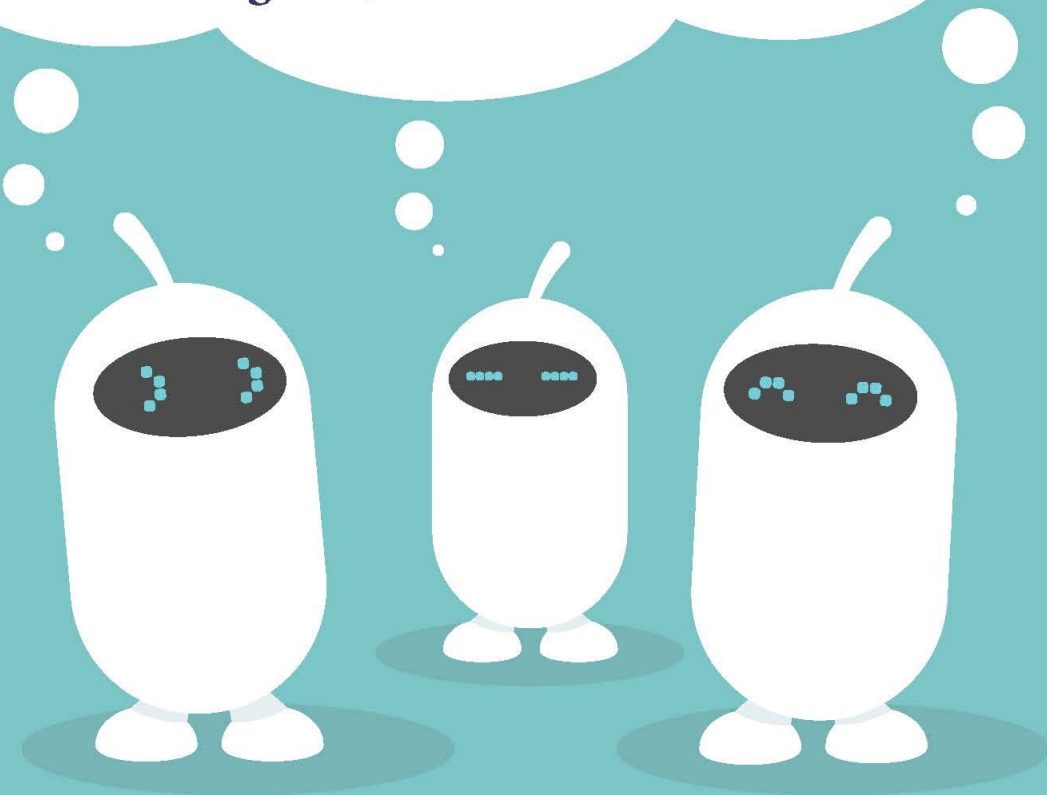
Advanced eye care. Designer eyewear.

**Family First CU is a proud supporter of the
FIRST Robotics Team at Penfield High School.**

Go Team 1511 Rolling Thunder!

Teamwork makes the dream work.

Together, we can achieve more.



**FAMILY FIRST
CREDIT UNION**

Banking Simplified. Life Magnified.

585.586.8225 | www.familyfirstny.com

East Rochester | Greece | Henrietta | Penfield | Webster



THE

FINANCIAL GUYS

General Motors

is a proud sponsor of

**FIRST TEAM
1511
ROLLING
THUNDER**

Geoca Homes^{LLC}

Proud to support Penfield Robotics Team 1511



At Geoca Homes, we provide a personalized service to building your dream home.

OUR MISSION

We at Geoca Homes LLC build every home so that it is an extension of our buyers, their lifestyles and their personalities. Your home is custom designed for the way in which you live and every element of it's design is a reminder that special care and consideration was given to you and your lifestyle.

We take care to ensure that you feel comfortable at every stage of the building process and have the information you need to make informed, confident decisions.



GEOCA HOMES LLC

585-733-7303 | DGeoca@aol.com | PENFIELD, NY

Global Events/ Events Casting

is a proud sponsor of

**FIRST TEAM
1511
ROLLING
THUNDER**



Real Estate Services

PENFIELD OFFICE

1797 Penfield Road | Penfield, NY 14526

Office: 585.381.0502

howardhanna.com



Proud Supporters Of

**ROBOTICS
TEAM
1511**



Contact a Penfield Howard Hanna agent for all your real estate needs today!



Jody B's

Studio of Dance



**Proud Sponsor of:
ROLLING THUNDER!
Penfield 1511**



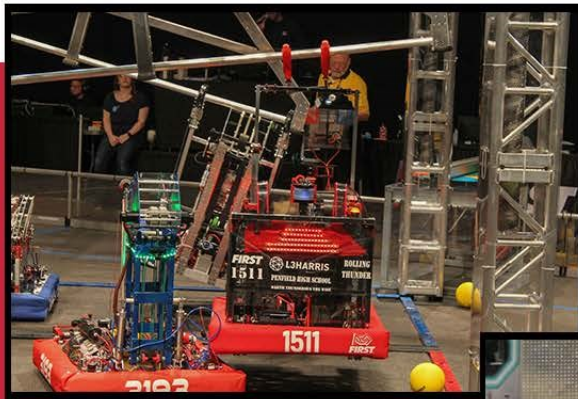
www.jodybstudioofdance.com

Kettering/GMI Alumni Association

is a proud sponsor of

**FIRST TEAM
1511
ROLLING
THUNDER**

The Khaleel Family
wishes
FRC TEAM 1511
AND
FTC TEAM 6996
A Terrific Year!

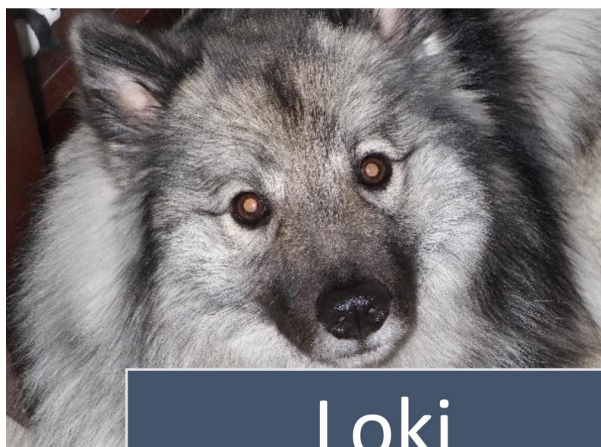


**ROLLING
THUNDER**

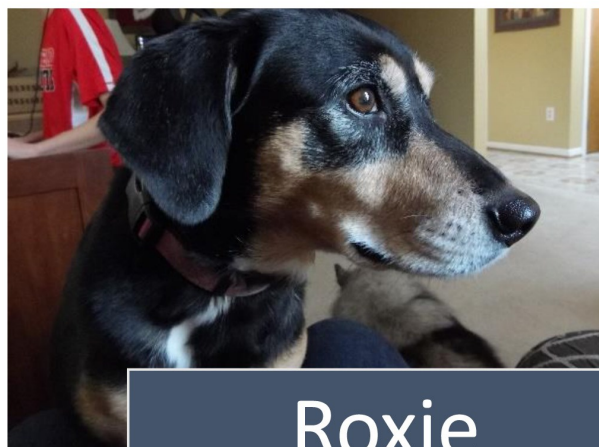
**ONCOMING
STORM**



The Mraz Family Pets wish 1511 all the best you rock!



Loki



Roxie



NIFTY BAR IS PROUD TO SPONSOR THE PENFIELD HIGH SCHOOL ROBOTICS TEAM!

LET US DELIVER PRECISION FOR YOU

Lots of companies talk up their quality. At Nifty Bar, our customers praise us for delivering precision flat-ground metal products in a world-class manner. Discover all the great things we can do better for you as your trusted partner, with speed, accuracy, and value.



NIFTY BAR

GRINDING & CUTTING SOLUTIONS, INC.

450 Whitney Road • Penfield, NY 14526

ph: (877) 536-5210, (585) 381-0450 • fax: (585) 381-4712 • email: sales@niftybar.com

www.niftybar.com



OS³ Managed IT Solutions

- Website engineering
- Desktops
- Servers
- Cloud
- VOIP
- Business continuity
- Disaster recovery
- Endpoint protection

AVAILABLE SERVICES

Software Engineering

Web and Database engineering in the Microsoft stack - .NET, C#, IIS, MS-SQL, and supporting web technologies

Managed Services

Scalable managed SaaS and DaaS using Office365, Microsoft Azure, RingCentral, KnowBe4, Webroot, Meraki and other cloud technologies with support by our expert technicians.

Hardware and Software Sales

Hardware and software from HP, HPE, Cisco Meraki, RingCentral, Microsoft, Webroot and other major providers

274 N Goodman St., Suite A401, Rochester, NY 14607

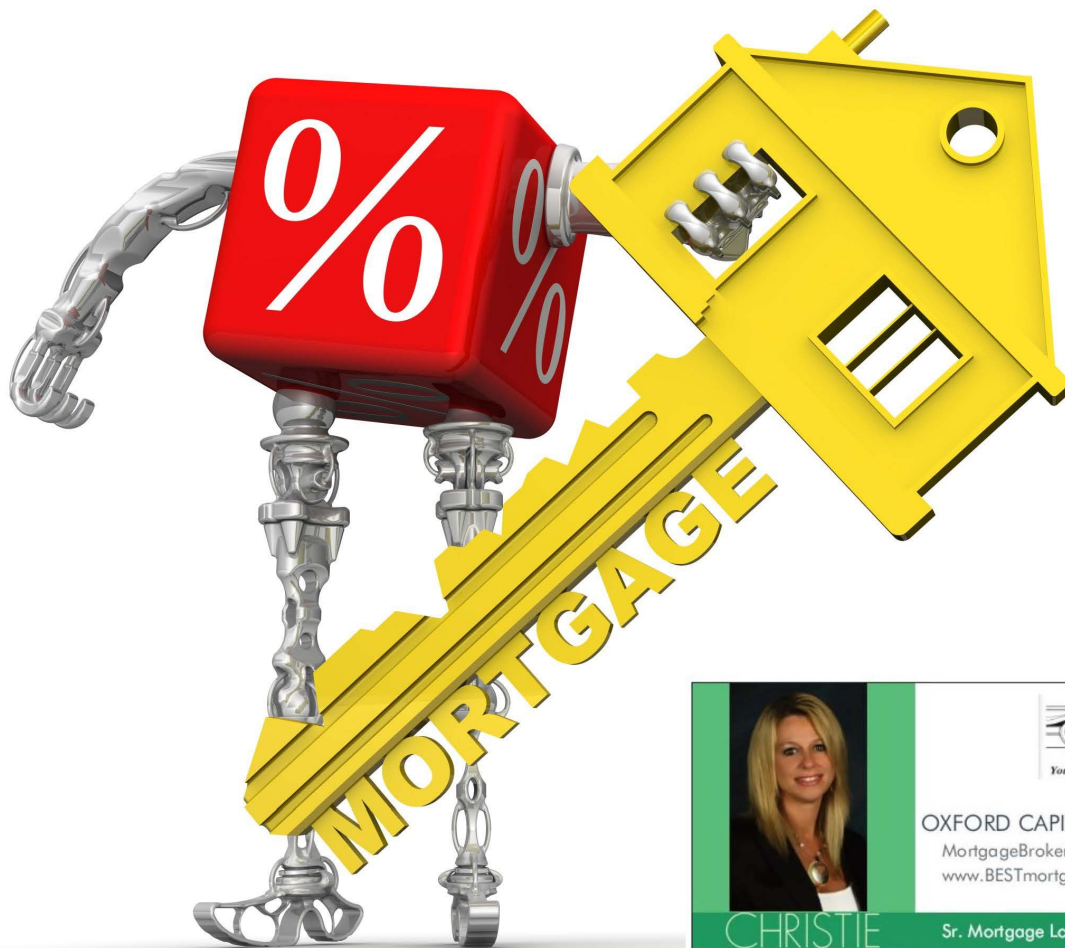
585-756-2444/sales@os-cubed.com

WWW.OS-CUBED.COM



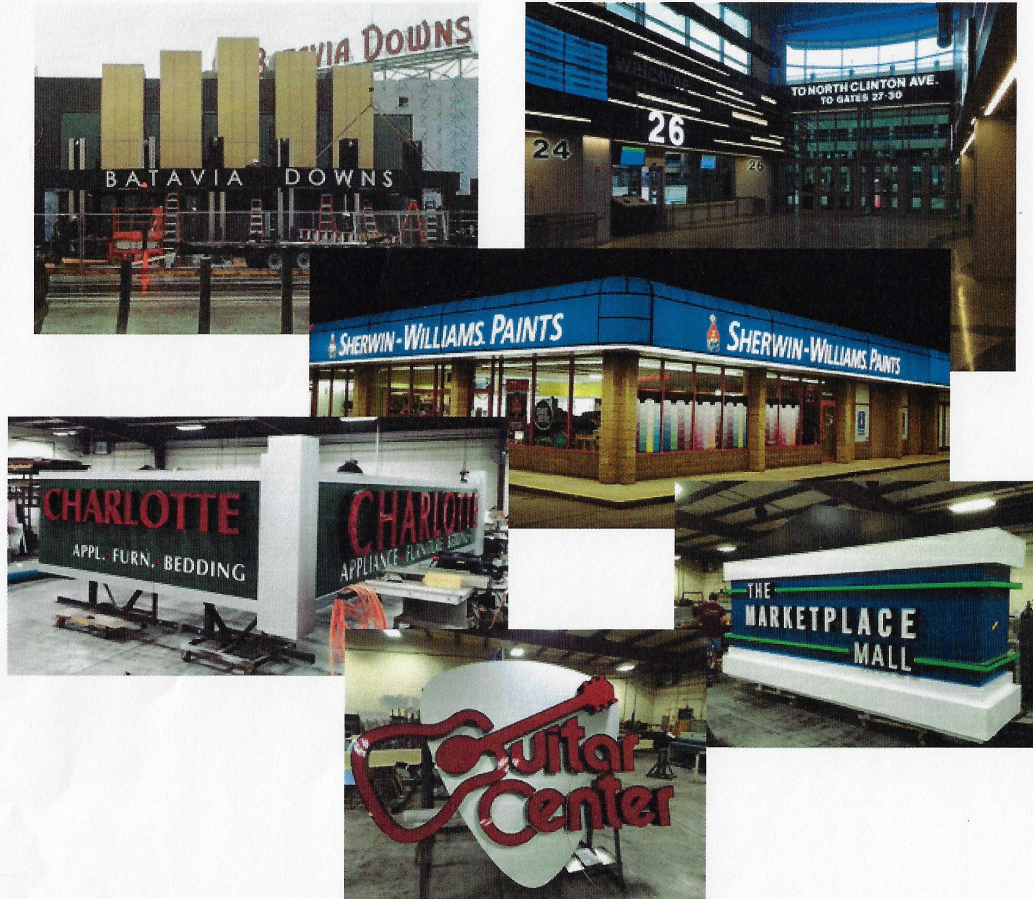
OS-Cubed, Inc

GOOD LUCK 1511 ROLLING THUNDER



| | |
|---|--|
|  |  <p>OXFORD CAPITAL <i>Your Dedicated Mortgage Specialist</i></p> |
| <p>OXFORD CAPITAL MORTGAGE MortgageBrokerNY@gmail.com www.BESTmortgagechoices.com</p> | |
| <p>CHRISTIE WIESEN</p> | <p>Sr. Mortgage Loan Originator NMLS ID: 590016 585-216-7518</p> |

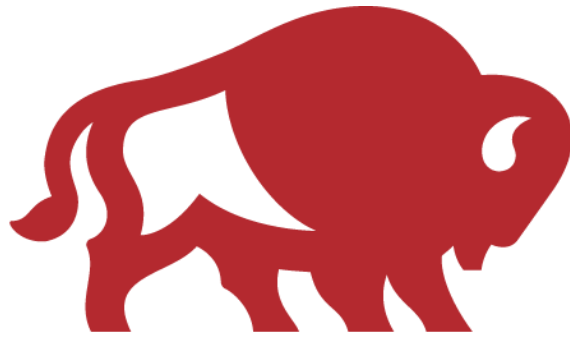
Proud to support Penfield Robotics Team 1511



CABINET SIGNS • ELECTRONIC DISPLAYS • PYLON SIGNS
CHANNEL LETTERS • NEON • MONUMENT SIGNS • AWNINGS
INSTALLATION • LIGHTING • MAINTENANCE

We are a full service sign and awning manufacturer. From concept to completion, our experienced staff can provide you with quality signs tailored to meet your individual needs.

10 Excel Drive • Rochester, New York 14621 • 585-235-0390 • www.premiersignsystems.com



PrimeLending

A PlainsCapital Company[®]

Home Loans Made Simple[®]



RENJEN ORTHODONTICS
generations of smiles created

Proud To Support The



GOOD LUCK FRC TEAM 1511 AND FTC TEAM 6996



rhen**DESIGN**

DESIGN ARCHITECTURE LLC

214 Croydon Road
Rochester, New York 14610
585.482.2216

rh@rhendesign.com



Helping create healthier, better neighborhoods

As a family-owned company, we're committed to helping our customers and employees live healthier, better lives through food.

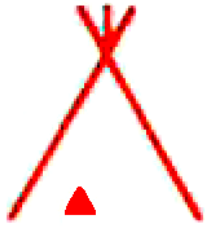
That commitment includes sharing food and enriching our neighborhoods in every way we can. We believe communities thrive when we all work together.

Wegmans

BEST OF LUCK

TEAM 1511





PHONE 585-671-2820

BAUMAN'S FARM MARKET AND GARDEN CENTER

*1340 FIVE-MILE LINE RD.
WEBSTER, N.Y. 14580*

**HOME OF QUALITY
FARM PRODUCE SINCE 1908**



DON'S ORIGINAL
RESTAURANT
AND

Pub

JOEL DOSTIE

Owner



DOSTIE CONTRACTING

quality services at reasonable rates

58 Saldo Lane
Penfield NY
14526

In business since 1998
insured

joel.dostie@gmail.com
585-899-9112



**Geoff Glanville, CFP[®], AAMS[®],
CRPC[®]**

Financial Advisor

1790 Penfield Road Suite 3
Penfield, NY 14526
585-381-8440

Edward Jones[®]

MAKING SENSE OF INVESTING

edwardjones.com



VICKY & KEVIN

1802 Penfield Road, Penfield, NY 14526 (Dunkin Donuts Plaza)

TEL.: (585) 385-2808 • FAX: (585) 385-2833

OPEN HOURS: Mon. ~ Thurs.: 11:00am - 9:30pm
Fri. & Sat.: 11:00am - 10:30pm • Sunday: 11:30am - 9:30pm



**1601 Penfield Rd
Rochester NY 14625
(585) 586-0586**

"All the games you want to play"

**Located in Panorama Plaza, we support
Magic: the Gathering, D&D, Board Games, Card
Games & Dice**

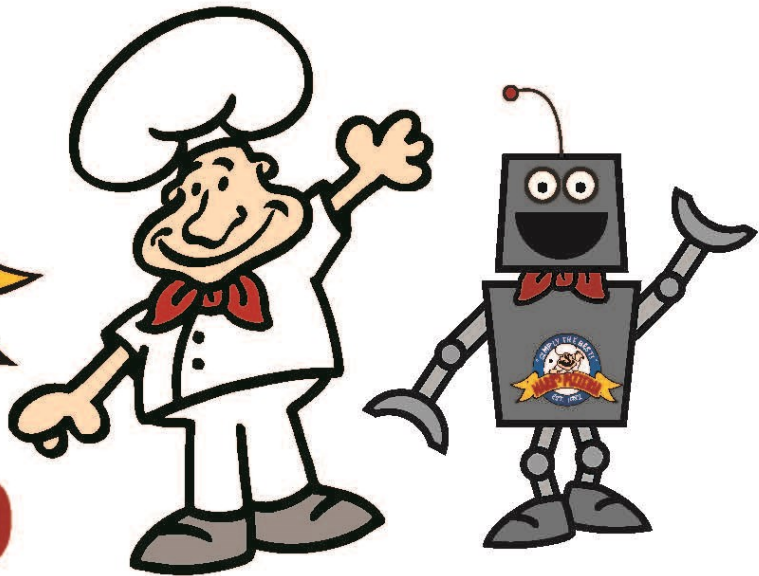
www.justgamesroc.com



PROUD TO SUPPORT PENFIELD ROBOTICS!



PENFIELD
585-381-2910



www.markspizzeria.com/penfield

Music Lessons
(Guitar, Bass, Piano, Drums Vocal & More)
Recording - Publishing - Record Label
Retail & More...

EVERYTHING
RAMP
MUSIC

ROCHESTER
AREA
MUSIC
PROJECT

585-223-2310
www.ramp-roc.com
31 West Church St.
Fairport, NY 14450

Guitar-Piano-Bass-Drums-
Voice-Recording-Sax-Flute-
Clarinet & more...

Edgemoor Springs Community

Rochester Area Music Project - Everything Music!



Renée L. Roland, DDS, MS

585.385.8700

2088 Five Mile Line Road

Penfield, NY 14526

www.rolandortho.com

AMPLIFIED AMERICAN CUISINE



**2157 Penfield Road
Penfield, NY 14526**

Serving unique sandwiches, bowls and plates, made, where possible, from locally sourced ingredients. Family friendly atmosphere, takeout available, serving wine and craft beers on tap.

In Wegmans Plaza

Call for takeout: (585) 678-9973 or order
online at www.SuperflyDMC.com

Opened 11 AM-8 PM, Tuesday – Friday
Saturday 8 AM-8 PM

VOGEL'S *Collision*

100 WINTON ROAD N. ROCHESTER, NEW YORK 14610

BARRY HOLTZ

482-9655

FAX 482-9145

www.vogelscollision.com

vogelscollision@yahoo.com



1614 Penfield Rd
Rochester, NY 14625
586-8569



Advance/
Auto Parts 

Flower Barn

2137 Five Mile Line Rd.

Penfield, New York 14526

(585) 586-5195

www.penfieldflowerbarn.com





LESSONS • SUPPLIES • PARTIES
FRAMING CENTER • GALLERY

1822 Penfield Road, Penfield NY 14526

WWW.ARTSTOPLLC.COM

(585) 872-5710 ARTSTOP@FRONTIERNET.NET

**Charley
Brown's**
of Penfield



*Over 40 Years
of
Great Food
and
Great Service!*

*1675 Penfield Rd.
Rochester, NY 14625*

*Reservations Suggested
(585) 385-9202*

Hours

*Lunch
M-F 11:30-2:30*

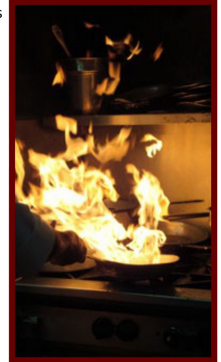
*Dinner
Sun-Thu 4:00-10:30
Fri-Sat 4:00-11:30*

*Early Bird Specials
7 Days 4:00-6:15*

Michael and Tony Di Lella opened Charley Brown's Restaurant in October of 1967. Their philosophy was a simple one: to serve delicious homemade food at affordable prices and to always personally greet their customers. Over 40 years later, the philosophy remains the same.

Whether you are choosing from the sautee pan, the broiler or a creative nightly special, one of our talented chefs is sure to please even the most discriminating palate. Every day, seasonal, vegetarian, healthy or comfort food - you'll find it at Charley Brown's.

Today, Charley Brown's continues to thrive under the direction of Ron and Juanita Medina while maintaining the Di Lella's tradition of warmth and



Piero Forgensi C 585-230-6458

21 Waterworks Lane F 585-223-8039

Fairport, NY 14450 P 585-223-5676

www.tomaxhomes.com pforgensi@yahoo.com

TREE TOWN CAFÉ

745 Penfield Rd. Rochester, NY 14625

585.348.9720

www.treetowncafe.com



BEST OF LUCK
PENFIELD HIGH SCHOOL ROBOTICS

TEAM 1511
ROLLING THUNDER

MLC Styles

PENFIELD JEWELRY & COIN
1831 PENFIELD ROAD

We buy:
Gold & Silver
Costume jewelry
Fine jewelry
Coins & Bullion
Sterling flatware
Antiques & Collectibles
Old toys
COMIC BOOKS
Call/text
585-755-8358 (Frank)
585-254-2855 (Bob)

THANK YOU

**PARENTS, GUARDIANS, AUNTS, UNCLES,
SISTERS, BROTHERS, FRIENDS
AND SUPPORTERS**

**FOR TAKING US TO AND FROM
MEETINGS, DEMOS, COMPETITIONS,
CONFERENCES & EVENTS
AND FOR ALL YOU DO TO SUPPORT THE TEAM!**

THE THUNDER JUST KEEPS GETTING LOUDER

“Do What Would Make Your Grandmother Proud.”

-Woodie Flowers



1511 is grateful to have the support of these proud grandparents.

Dottie and Jorge Weiss

Grandparents of student Allie Dostie

Linda Snyder

Grandmother of student Allen Mraz

Marilyn & Bill Woodside

Grandparents of student Nevin Woodside

Nancy Mori

Grandmother of student Nevin Woodside

Tony and Mary Ellen Mraz

Grandparents of student Allen Mraz

Jean Potter

Grandmother of student Alex Leete

Sandee & Bernie Dropcho

Grandparents of student Marisa Zwick

Helen Snyder

Great Grandmother of student Allen Mraz

Bob & Linda Wayland-Smith

Grandparents of alumni Matt McOmber

Richard & Beverly McOmber

Grandparents of alumni Matt McOmber

**16 YEARS OF
FIRST ROBOTICS TEAM**

