

R³ SHIP'S MANIFEST

A Semi Annual Newsletter for Fairport Robotics - Team 578

Issue 2, September, 2017



R³ Ship's Manifest



Welcome back to the R³ Ship's Manifest. Newsletters will be published in September and January which will recount all of the happenings of Team 578; upcoming events, team demonstrations, fundraising events as well as Regional Competitions.

The Flagship Board (team student leaders) hopes to enlighten you about *FIRST* and that these changes to the team will encourage growth and progress for the team as well as setting the foundation for future team members.

We hope that you enjoy this issue and look forward to future issues of the R³ Ship's Manifest. If you would like a link to our newsletter, please send a request to info@fairportrobotics.org and don't forget to check us out on Facebook and Twitter!

Red Raider Robotics

Founded at Fairport High School in 1997, Team 578 has worked hard to build not only robots but careers. We continuously improve every aspect of the *FIRST* program. Although the team has gone through name changes, sponsor changes and philosophical shifts over the years, Team 578 has always built on their experience and knowledge from the previous year to create a competitive robot. We currently have 45 students and 17 mentors.

Proudly sponsored by numerous corporations as well as local suppliers, the team would not be able to have its successes without the generous support of the Fairport Central School District and the Fairport community.

2017 STEAMWORKS Announced

The following press release was issued by FIRST on January 7th, 2017

MANCHESTER, N.H.,

Inventor and **FIRST®** Founder Dean Kamen launched the 2017 **FIRST®** Robotics Competition season today with the Kickoff of a new robotics game called **FIRST STEAMWORKS™** before a crowd of more than 1,000 people, including Senator Maggie Hassan (D-N.H.) and Manchester Mayor Ted Gatsas at Southern New Hampshire University in Manchester, N.H., hometown of **FIRST** Headquarters. More than 83,400 high-school students on 3,336 teams at 123 venues around the globe joined the 2017 Kickoff via Twitch Livestream.

“A lot of kids will tell you, ‘I don’t like science and math.’ But they all love [science fiction]. Well, the only difference between science fiction and science is timing,” said Dean Kamen, president of DEKA Research & Development. “We want kids, through their **FIRST** experience, to realize that whatever is in their imaginations could become reality if they develop the tools – science, technology, engineering – and apply

those tools into innovations to turn today’s science fiction into tomorrow’s science.”

FIRST STEAMWORKS™ invites two adventure clubs from an era in which technology relied on steam power to prepare their airships for the ultimate long distance race. Each three-team alliance scores points and prepares to take flight by building steam pressure, gathering materials to start the rotors, and boarding robots onto their airships. The adventurer club with the highest score at the end of the match is the best prepared for the race and wins.



2017 R3 Results!

**Finger Lakes Regional at RIT
March 15-18**

Team 578's robot, **Ralden**, along with the drive team, pilot, and the team of enthusiastic 578-ers made a strong showing at this very competitive event!

At the end of the qualifying matches on Friday, March 17, the team was ranked 14th out of 49 teams!

Team 578 was chosen to compete in an alliance in the playoffs, but faced elimination in quarterfinal play.

**Buckeye Regional at the
Wolstein Center, Cleveland, Ohio
March 29-April 1**

Team 578 again had a solid performance in qualifying rounds, was ranked 11th out of 60 teams, and after moving up to the top 8, were selected to compete in an alliance in the playoffs. After reaching quarterfinals, competition was fierce and following two matches, our alliance was eliminated.

Red Raider Robotics had an amazing competition season and is excited to participate in the Rah-Cha-Cha Ruckus in October!

TEAM 578 COMMUNITY OUTREACH

R³ Embraces Their Community

This meant that the team needed to embrace the message of *FIRST* and reach out to the Fairport community through robot demonstrations, conducting local fundraisers, participation in school events, mentor LEGO teams and increase community service opportunities. Flagship took on the task of establishing a full year calendar filling it with numerous opportunities for team members to participate in. Team 578 had an amazing year reaching out to our community and are looking forward to their upcoming activities. Please contact the team for possible demonstration opportunities with your group at info@fairportrobotics.org.

This page chronicles many of the community service events that Team 578 has participated in last year. These events include:

- ◆ Car Wash
- ◆ Homecoming Events
- ◆ LEGO Mentoring (4 teams)
- ◆ Book Drive for National Reach Out & Read Program (Ruckus)
- ◆ Pumpkin Carving with residents at the Fairport Baptist Home
- ◆ Zoo Boo at the Seneca Park Zoo
- ◆ Haunted Hallways at Martha Brown
- ◆ Holiday Bell Ringing for the Salvation Army
- ◆ Adopt-a-Family
- ◆ Relay for a Reason

Book Drive

For the last three years Team 578 has been recognized for their work collecting children's books for the National Reach Out and Read book drive. These efforts have yielded over 6,000 books. The book drive culminates at the Fall scrimmage, the Ra-Cha-Cha Ruckus. This year's Ruckus will be held on October, 28 2017. Any donation of gently used children's books would be appreciated. Contact a team member for pick up.



This Years First Fundraiser!

Red Raider Robotics



Sunday, September 17th, 2017
at EPM Corp. 75 N. Main St.,
Fairport Village

9:30 am to 2:30 pm

Proceeds benefit Team 578 during the 2017/18 robotics competition season!

Pre-sale: \$4.00

Day of car wash: \$5.00

Come and support
Team 578!



TEAM 578 COMMUNITY OUTREACH

Haunted Hallways

Team 578 helped to raise \$1800 for the Juvenile Diabetes Foundation during the Martha Brown Haunted Hallways.



1st Annual Robotics Relay for a Reason

On June 10th from 10:30 p.m. to 6 a.m., Team 578 hosted a walking relay with robotics teams from Penfield, Pal-Mac and Webster high schools. Together they raised a total of \$1443 for Camp Good Days summer camp program.



Zoo Build

Team 578 builds beds and enrichment items for the animals at Seneca Park Zoo.



Pumpkin Carving @ Fairport Baptist Home



Jr. Engineering Club

Students from Team 578 mentored students at Northside Elementary School through various engineering activities to promote STEM.



TEAM 578

WORKING TOGETHER!

R³ Loves Their Sponsors!

Fairport
Central School District



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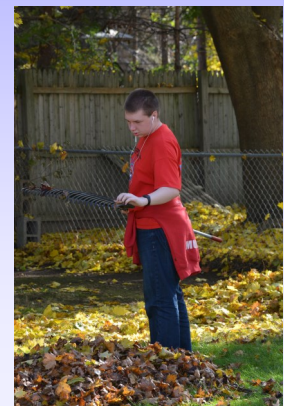


Gleason

5th Annual Car Wash!



Team 578 ~ Rakes for Veterans!





CAR WASH FUNDRAISER ~ SUNDAY, SEPTEMBER 17TH

HOMECOMING ~ SATURDAY, OCTOBER 14TH

ZOO BOO ~ SUNDAY, OCTOBER 15TH

BAPTIST HOME PUMPKIN CARVING

HAUNTED HALLWAYS @MB ~ SAT, OCTOBER 21ST

RAH-CHA-CHA RUCKUS ~ SAT, OCTOBER 28TH

LEAF RAKING FOR VETERANS ~ FRI, NOVEMBER 10TH

SALVATION ARMY BELL RINGING ~ SAT, DECEMBER 2ND & 9TH

KAZOO FEST ~ SAT, DECEMBER 2ND & 9TH

ALUMNI GAME NIGHT ~ THURSDAY, DECEMBER 21ST

ADOPT A FAMILY ~ DECEMBER

Red Raider Robotics Mission Statement

- ◆ To advance respect for science, technology, and engineering within our school and community.
- ◆ To give students the opportunity to work with adults in engineering, marketing, public relations, problem solving, software engineering, etc., in order to foster student learning and help them to explore a career path.
- ◆ To spread the Core Values of FIRST within the Fairport Central School District & the community at large.
- ◆ To build positive relationships through volunteering, community service and providing a medium of education through mentoring.
- ◆ To make a positive impact on the Fairport & surrounding communities through outreach efforts both related and not related to FIRST.
- ◆ To inspire students to find their true passion.



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