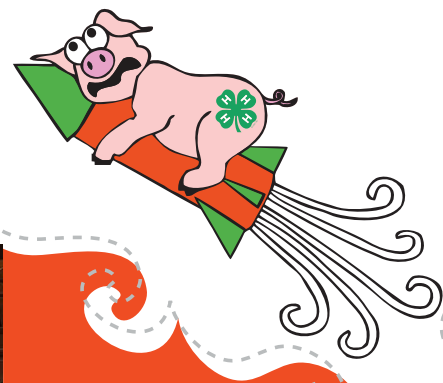


4-H EXPLODING BACON ROBOTICS CLUB NEWS

Summer 2015



Recipient of the 2015 Georgia Southern Classic Regional Chairman's Award
and the 2015 Orlando Regional Imagery Award

DO YOU KNOW A HIGH SCHOOL STUDENT INTERESTED IN...
ENGINEERING · ELECTRICAL DESIGN · ANIMATION · VIDEO PRODUCTION
MARKETING · MACHINING · WEB DESIGN · COMPUTER PROGRAMMING
WRITING · SOCIAL MEDIA · MARKETING · BUSINESS PLANS · AND MORE...

FRC 1902 2015-16 SEASON

LEARN MORE AT ONE OF OUR OPEN HOUSES

AUGUST 31st & SEPTEMBER 28th • 7:00 - 9:00pm

Join us at the Exploding Bacon Build Space:
2721 Forsyth Rd Ste 456, Winter Park, FL 32792

RECRUITING FIRST MENTORS AT COMCAST NBCUNIVERSAL

We were invited by Universal Studios to Sound Stage 33 on July 29th to help Comcast NBCUniversal employees learn more about opportunities to mentor local FIRST teams. We were asked to "Make it Loud" by bringing our new competition pit and 2 robots.

In addition to robotics, they asked us to showcase all that we do as a team. We decided on several tables surrounding our pit and robots: Video Production & Animation, Imagery, Writing (awards submissions), Social Media & Web Design, Business/Marketing, and Community Outreach. Our students and mentors had a great time talking to Universal Employees about FIRST and how to become Mentors. We even got the opportunity to share FIRST with several VIPs. This was a great event, Thank you Comcast NBCUniversal for this wonderful opportunity.



2015

MARK YOUR CALENDARS!

- Aug 29-30 Kid Expo
@ OC Convention Center
 - Sep 12-13 Maker Faire
@ Orlando Science Center
 - Oct 3 Panther Prowl
 - Oct 11 Roboticon
- Visit our website for
more information.

Bacon braggin' #MakeItLoud

Annually Orange County 4-H recognizes one volunteer whose body of work best exemplifies the promotion of positive youth development as well as sustained service and commitment to Orange County 4-H with the Sara and Dan Nicholson 4-H Volunteer of the Year Award.

This year our **Club Lead, Joyce Walters** was honored with the award for all she does for Exploding Bacon and to help further the success of youth robotics in Orange County!

**Shirts and Magnets
Available Online**

[http://squareup.com/
market/exploding-bacon](http://squareup.com/market/exploding-bacon)

EXPLODINGBACON.COM

2006 - 2015: CELEBRATING A DELICIOUS DECADE



Sponsor Spotlight:

Matthew, a Mentor from Comcast NBCUniversal joined our team this season. Matthew is an Assistant Program Manager for Strategic Innovation and Emerging Technology with Universal Parks Technology. He is our main Mentor and Contact with Comcast NBCUniversal. He managed to help set up 7 additional mentors to come out and support our team this season. Many of them attended the Orlando Regional to see us in action and to support Pi Day by handing out Pizza Pies to the teams attending the Orlando Regional Event.

When he learned that we needed a quiet space to film our Chairman's Presentation for the World Championships, he made it possible for our Chairman's team to record in one of Universal's on site recording studios. He even attended the World Championships as one of the Comcast NBCUniversal Representatives and while there he supported our team, came to the pit, watched our Chairman's team practice, supported the Chairman's team and waited for them to come out of the Judges' Room, after which he cheered us on in the stands watching one of our matches. This summer we brought out our robots and many students and mentors to help him educate Universal NBC/Comcast on opportunities in Central Florida for Universal employees to mentor FIRST teams.

**oink oink
BOOM!!!**

EXPLODING SCIENCE SUMMER CAMP

by Jordan G and Alex M

This summer, Exploding Bacon hosted a summer camp for elementary and middle school aged students, and ignited their passion for STEM with hands-on, exciting activities ranging from marshmallow cannons to gumdrop towers at St. Luke's Lutheran Church in Oviedo on August 3-7.

We worked with students on many STEM related activities. Some of our more popular activities include building trebuchets, our water balloon sling shot and making ice cream. Every year, we introduce different activities for the many returning families that have come to love our yearly summer camp experience. Perhaps the most exciting part of the summer camps is introducing the students to the Lego NXT. Students are encouraged to design their own robots and compete in various challenges such as line following, maze running, and drag racing. The Exploding Science Summer Camps are not only fun for both kids and student mentors, but they're also a great way of introducing young children to STEM concepts.



1902 @ WORLDS

by Ryan S

Exploding Bacon had a great time at World Championships! We were again honoured to be able to do our Big Bacon Theory of Imagery and Marketing workshop for all of the teams that attended! We were also privileged to be able to compete for the World Championship Chairman's award! Besides all of the FRC shirts we got, we got to bring back the "#1 in Pit Safety" award! We had a great time competing, talking, and trading with all the other great FRC teams and seeing new and old friends, and we can't wait to see them all again!



SPARK UPDATE

by Dominic C

SPARK has grown so much in the past few months since its debut in Haiti in October 2014. So far, we have sent kits to Haiti, Uganda, Honduras, Nicaragua, Denmark and Jamaica. The response has been very positive, both teachers and students love the experiments we have provided. Not only have our activities been great fun, they bring with them knowledge that some of us take for granted. A mentor who hand-delivered a kit and watched as some of our experiments were performed by the students remarked that "simple machines became a lesson in how to make work on a mountainside easier; the study of light and colors taught that lighter colors help keep a person (or house) cooler."

The future of SPARK is looking bright as well. Friends of Exploding Bacon, FRC teams Panteras 2283 (Mexico City, Mexico) and Impossible Robotics 5412 (Groningen, Netherlands) have translated all of our SPARK materials into several languages to help Spark Kits reach a much wider audience in the future. We currently looking into 8 new locations to send kits, including Colombia, Costa Rica, and Tanzania. With our sights set on the future of the program, we are staying true to SPARK's mission to empower children everywhere to grow into tomorrow's problems solvers.



Thank You

*2014-15 Sponsors
for making our
10th season possible!*

Lockheed Martin

Magnus Hi-Tech
Industries

4-H Orange County

Electronic Arts

Comcast NBCUniversal

Host, Inc

Disney Voluntears
(Brian Walters, Brendan
Radabaugh & Dan Richardson)

BAE Systems

Stage Equipment
and Lighting

Walt Disney

Central FL Fluid
Power Society

Firehouse Subs, Clermont

Castle Ventures

Menchie's

Simsol

Oakley Signs & Graphics

Elise Cronin-Hurley
Web & Graphic Design

2015-16

Student Officers:

Co-Presidents: Jordan G & Nathaniel W
Corresponding Secretary: Sarah H
Recording Secretary: Alex H
Sergeant of Arms: Phillip P
Treasurer: Cole H
4-H Representative: Ashley R

Board of Directors:

Club Lead: Joyce M. Miksa Walters
FRC Lead: Elise Cronin-Hurley
NEMO Lead: Amanda Kate Little
Correspondence Lead:
Vicky Giannakas-Moraes
Treasurer: Kelly Shavell
FIRST Liaison: Zach Cronin-Hurley
Student BOD Rep: Dominic C

OUR 2015 AND THEIR BRIGHT FUTURES

Jared Angle a graduate of Boone HS is attending the Florida Institute of Technology in pursuit of a degree in Molecular Biology.

Angelo Bonavoglia a graduate of Winter Park HS is attending Penn State in pursuit of a degree in computer engineering/sciences.

Joy Brown a graduate of East River HS is attending the Georgia Tech Honors College in pursuit of a degree in Biomedical Engineering.

Josué Groff a graduate of Winter Park HS is attending the University of Central Florida in pursuit of a degree in Mechanical Engineering.

Garry Little a homeschool graduate is attending Technical Education Center of Osceola to study Electricity.

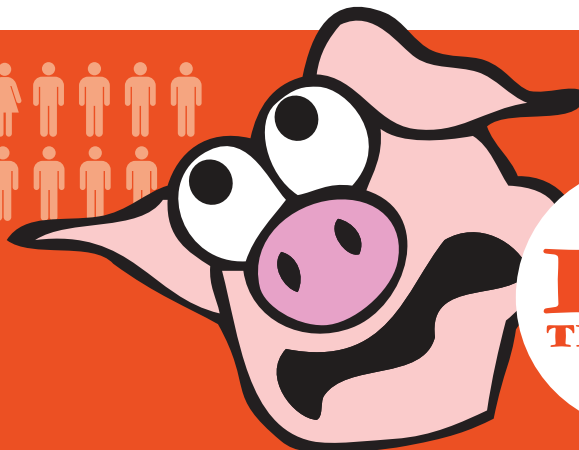
Sarah Parker a graduate of Hagerty HS is attending the University of Florida's Honors College in pursuit of a degree in Microbiology.

2014-15 ANNUAL REPORT

4-H EXPLODING BACON

ROBOTICS CLUB

TEAM 1902



FRC
TEAM 1902

Ninja Bacon

Bacon Builders

Bacon Bits

Jr FLL Team

FLL
GRADES 4-8
AGES 9-14

31 FRC Student Members
12 schools and homeschools
4 Central FL counties,
 Students covering **652** sq mi

34 FRC Awards 10 Seasons and Counting!

Spark Outreach
 Spark Science Kits
 Our new effort to get science kits to schools with few resources internationally.
8 science kits sent to **6** countries
 Worked with **2** FRC teams to translate instructions
Exploding Science Resource Books
 A copy was provided to all **608** FRC teams that attended Champs
4-H Project Books

oink oink BOOM

37 Outreaches in 2014-2015 season
1200+ Student hours of Outreach at Demos in 2014

YEAR ROUND OUTREACH



Imagery

Big Bacon Theory of Image and Marketing Presentations
 Orlando Regional World Championships
 Orlando Regional Imagery Award
 New Competition Pit

Top 4
 Finalist for 2014 World Championship Digital Media Award



Season Highlights
 Strategic Planning Sessions
 Year Round Build Space
 Game & Design Strategy Classes

Social Media



Mentors

8 4-H Approved Mentors
 15 Professional Mentors
 10 College Mentors
 6 Bacon Alumni
83% FEMALE BOARD MEMBERS
 Total of 28 Mentors



WE ARE 4-H EXPLODING BACON ROBOTICS

For more information visit our website or email us at explodingbacon.1902@gmail.com