



# BRUNSWICK ERUPTION15

Team Information Packet

[be.raiderrobotix.org](http://be.raiderrobotix.org)



@BrunsEruption



/BrunswickEruption

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# Event Information

## When

Saturday, November 12<sup>th</sup>, 2016

## Where

North Brunswick Township High School  
98 Raider Road  
North Brunswick, NJ 08902

## Registration and Payment

FRC team registration for Brunswick Eruption costs \$250. Any teams bringing a pre-rookie team to compete will receive a \$100 discount per pre-rookie. As always, pre-rookies play for free.

There are currently 45 teams registered for BE15. At this point, registered teams should have each received an invoice for payment via email during September. If you have not already paid the registration, please bring your payment to the event or contact Wayne Cokeley at [smwonder@comcast.net](mailto:smwonder@comcast.net) to set up arrangements. Please make checks payable to **NBTHS Robotics**.

# Agenda

## Friday, November 11, 2016

4:00 PM

Early Team Load In

7:00 PM

Pits Close

## Saturday, November 12, 2016

7:00 AM

Doors Open / Robot Load In

7:01 - 8:25 AM

Practice Matches

8:30 - 8:40 AM

Opening Ceremonies

8:40 - 2:00 PM

Qualification Matches

12:00 PM

MAR Presentation (Room 124)

2:00 - 2:15 PM

Alliance Selections

2:00 - 3:00 PM

Lunch Break

3:00 - 3:15 PM

Evil Sundae Contest / Awards

3:15 - 6:00 PM

Elimination Matches

# What to Bring

Please make sure that your team brings the following materials to the competition. Outside of asking the other teams attending Brunswick Eruption, there will be no designated spare parts table. If essential, we can make an announcement on the field for any part requests.

1. Safety glasses for all team members, plus any extras for guests
2. A working robot with its driver station, bumpers, and controls
3. Robot OM5P-AN wireless bridge (radio)
4. Programming laptop
5. Power strips and extensions cords (each team's pit will be outfitted with a power connection)
6. Robot batteries and chargers
7. Non-perishable food items for the food drive
8. Any old, used and unwanted shoes to be recycled for our shoe drive

# Arrival

## Robot Drop Off

Teams can drop off their robots and pit supplies early starting on Friday, November 11<sup>th</sup> between 4:00PM and 7:00PM.

Otherwise, regular robot drop off will start at 7AM on the morning of the event, Saturday, November 12<sup>th</sup>. **If your team is running late or will not attend last minute, please call or text Wayne Cokeley at (609) 558-8326 or 8325.**

## Directions

At the end of Raider Road, make a right turn into the parking lot. Robots and supplies can be unloaded curbside (in between the football field entrance and the academic trailer). Then follow the sidewalk path to enter the school near the rightmost entrance. Heading straight down the hallway will lead you to the check-in table and main gym area.

## What To Do Upon Arrival

1. Check in with Mr. Cokeley at the team registration table, located at the entrance to the pits on the side of the gym.
2. Bring your robot's radio to the scoring table to have it configured with the proper WPA key.
3. Once your radio has been configured and your robot is ready, sign up for a practice match as soon as possible so we can ensure your robot connects to the field. To sign up for a practice match, please go to the red alliance side of the field and speak to the lead queuer. Practice matches will be filled on a first come, first served basis and will end promptly at 8:25 AM.
4. Enjoy a tasty breakfast from our concession stands.

# Rule Changes

Robot inspection and weigh in will not take place.

## Defense Selection

At the recommendation of MAR, Brunswick Eruption will be using a fixed set of FIRST STRONGHOLD defenses for all matches. After analyzing the results of a survey sent to teams, the Brunswick Eruption Planning Committee has decided on the following defenses and placement:

1. Low Bar (fixed, as in the regular season)
2. Cheval de Frise
3. Moat
4. Sally Port
5. Rough Terrain

## G21 Revision

A ROBOT contacting carpet in the opponent's SECRET PASSAGE may not contact opposing ROBOTS who are in contact with the carpet in the SECRET PASSAGE, regardless of who initiates the contact.

## Elimination Alliances

The alliance selection process will follow the procedure outlined in section 5.6.1 Four ROBOT ALLIANCES. There will be no BACKUP TEAMS during the elimination rounds and alliances will not be allotted any TIMEOUTS.

## Referee Discretion

Since this is an off-season event and many teams will be trying out new drivers, our goal is to foster a positive experience both on and off the playing field. The referee crew may choose to be lenient with some non-consequential rule violations. In such cases, the offending team(s) will receive a warning and explanation of the rules. Repeated violations of a rule after receiving a warning will be penalized.

If there are any questions, please feel free to send a student representative to speak to the head referee. His ruling will be final on all matters.

# Webcast & MAR Info

## Webcast Information

If a webcast is available, a link to the stream will be posted at:

<http://be.raiderrobotix.org/webcast/>

Please share this link with your friends and family who will not be able to attend the event in person.

## MAR Information

A representative from FIRST Mid-Atlantic (MAR) will be holding an information session/open forum at 12:00pm in room 124. All are welcome to attend. Signage will be posted to help direct you to the classroom.

Brunswick Eruption is the last MAR off-season competition of the year. As such, certain game specific elements of the field are no longer needed. If any teams wish to keep any of these field elements, please speak to the MAR Equipment Representative for this event, Howard Cohen. Requests for items will be fulfilled on a first come, first served basis. Teams receiving requested field parts will be responsible for picking them up and transporting them at the end of the event.



# Awards



## **Food Drive Champion**

FIRST teams thrive because of the support from their community. In an effort to give something back, Brunswick Eruption supports the local community by running a food drive for those in need. Contributions are made to the North Brunswick Food Bank. The team who donates the most amount of food wins this award.

## **Shoe Drive Champion**

Team 25 has partnered with ShoeBox Recycling and will be holding a shoe drive in addition to the food drive. Teams are asked to bring used/unwanted pairs of shoes to be recycled. Any shoes will be accepted. The shoes can be dirty, just not wet or mildewed. The team that donates the most pairs of used shoes will win this Tiki!

## **Kumu (Mentor/Teacher) Award**

The Kumu Award is given to a mentor or teacher who represents hard work, persistence and ruthless dedication. To be eligible, teams must submit an essay of 600 words or less explaining how their chosen mentor goes above and beyond the call of duty for their team. Nominations can be submitted by filling out the [designated form](#) and must be received by 11:59PM on November 6th. This award is dedicated to the late Mike Wade of NASA Goddard who tirelessly drove an FRC field around the east coast to grow the FIRST program and make off-season events possible.

# Awards

## **Gracious Professionalism “Mahalo” Award**

Gracious Professionalism, or GP, is one of distinguishing pillars of the FIRST Robotics Competition. Dr. Woodie Flowers, who first coined the term, describes it as, “a way of doing things that encourages high-quality work, emphasizes the value of others, and respects individuals and the community.” At the start of the competition, each team in attendance will receive a GP Award nomination form in their pit. Teams will be asked to record a specific act of Gracious Professionalism performed by another team and submit the completed form to the scoring table. The winner of this award will be the team whose nomination(s) stood out to our panel of judges.

## **Evil Sundae Survivor**

An Evil Sundae is ice cream mixed with some, shall we say, “non-traditional” ingredients that change every year. Each team attending Brunswick Eruption will nominate one team member to participate in this contest. The goal? To eat, and keep down, the sundae in the fastest time possible. Each participant is allowed to bring a spoon of their choosing to use in conquering this evil dessert—we provide the barf bags. Participation in this contest is purely at the participants’ risk and we take absolutely no responsibility for any upset stomachs!

## **Future Glory Award**

One of the primary goals of Brunswick Eruption since its inception has been to grow FIRST within the region. The first pre-rookie team competed at BE in 2004 and many have successfully followed in their path since, gaining exposure to FIRST and experiencing a competition in full before their inaugural FRC season. The Future Glory Award recognizes one of this year’s outstanding pre-rookie teams.

## **Brunswick Eruption Finalists (x4)**

This award celebrates the alliance that makes it to the final match of the competition.

## **Brunswick Eruption Champions (x4)**

This award celebrates the alliance that wins the final match of the competition.

## **Big Kahuna**

Raider Robotix and Brunswick Eruption are run efficiently due to our dedicated and hardworking volunteers, mentors, and parents. This award recognizes the year-round commitment of a volunteer that goes above and beyond their usual responsibilities for the team.

# T-Shirt Sale

There will be a limited quantity of special edition black Brunswick Eruption 15 t-shirts for sale at the event. Shirts will cost \$10. Make sure you purchase yours early before they sell out!

The front of the shirt features a typographic BE15 logo. The design for the back of the shirt includes a list of all of the FRC teams competing at the event.



# Food & Shoe Drives

Brunswick Eruption will be collecting non-perishable food items to benefit the North Brunswick Food pantry. The drop off location for food donations will be located in the hallway outside of the main gym, near the team registration table.

Once again, Brunswick Eruption is partnering with [ShoeBox Recycling](#) to collect used pairs of shoes. Please consider donating any old/unwanted pair of shoes. They can be dirty, just not wet or mildewed. If you know that your team will be bringing a large amount of shoes to donate, we would greatly appreciate if you could email us at [brunswickeruption@gmail.com](mailto:brunswickeruption@gmail.com) and let us know so we can have an idea of how many boxes we will need to bring.

# FTC Full Day Meet

Concurrent with the FRC tournament occurring in the main gym, 24 FTC teams will be competing in an official qualifying meet in the new cafeteria area, located across from the Commons area. The teams will be playing the new 2016-2017 game, [\*FIRST Velocity Vortex\*](#). For more information or an FTC event information packet, please contact Vince Frascella, [vincent.frascella@baesystems.com](mailto:vincent.frascella@baesystems.com)

## Participating FTC Teams

2753	Team Overdrive
3774	Hive Voltage
4890	Hive Voltage 2.0
5873	Dragon Terminators
5968	WR That Hertz
6096	Pingry Robotics
6110	MECHANICAL MAYHEM
7102	WR The Flux Capacitor
8421	Tigers
9042	The MidKnight Magic
9927	The MidKnight Magic Too
10051	Technologic
10053	bEAGLES
10343	WR Positive Charge
10785	Highlanders
10928	Warren Tech Warriors
11697	Ro11botics697

# Housekeeping Rules

## Opening Ceremonies

We politely request that all team members temporarily put down their power tools and move to the stands for the event's opening ceremonies.

## A Note Regarding Mobile Devices

While we highly encourage the use of mobile devices for communication and scouting purposes throughout the event, we require that the Wi-Fi features of these devices be turned off for the duration of Brunswick Eruption to ensure they do not interfere with the field's communications.

## Power Outlets

The Brunswick Eruption crew will attempt to label any power outlets that are in use by the field, webcast, or pits. Please, under any circumstances, **DO NOT** unplug any power cords you encounter in order to plug in or charge your personal cell phone/laptop/tablet, etc. as this will disrupt and delay the event for everyone. If a power outlet is needed, please use the one provided in your team's pit.

## Seating

Seating is available in the bleachers located on either side of the field. As per the regular *FIRST* competition manual, section 4.41, we ask that you do not save seats and graciously accommodate any visitors looking to sit. If possible, please store any spirit items in your team's pit when not in use. Additionally, we ask that you please do not obstruct the webcast cameras.

## Safety

Please wear safety glasses and close toed shoes while in the pits or on the field at all times. We take no liability for any injuries.



# Food Concessions

The following food items will be available for purchase throughout the day:

## **Breakfast**

Donuts

Bagels w/ cream cheese or butter

Muffins

Coffee, tea, orange juice, and apple juice

## **Lunch**

Hot dogs (toppings: cheese, sauerkraut)

Turkey sandwich (with or without cheese)

Meatball Sub

Chicken and mashed potato bowl

### **Vegetarian options:**

Cheese sandwich

Penne pasta with vodka sauce

Nachos (toppings: cheese)

Veggie snack tray

## **Beverages**

Coffee / Tea

Bottled Water

Vitamin Water

Soda (regular and diet)

Iced Tea

Starbucks Frappuccino

## **Snacks**

Chips

Candy

Home baked goods

Please dispose of all trash in the proper receptacles and limit the amount of food brought into the main gym area.

# FRC Team List

25	Raider Robotix	North Brunswick, NJ
41	Robo Warriors	Warren, NJ
56	ROBBE	Bound Brook, NJ
102	Gearheads	Somerville, NJ
222	Tigertrons	Tunkhannock, PA
223	Xtreme Heat	Wanaque, NJ
224	The Tribe	Piscataway, NJ
271	Mechanical Marauders	Bay Shore, NY
303	TEST Team	Bridgewater, NJ
369	High Voltage	Brooklyn, NY
371	Cyber Warriors	Staten Island, NY
527	Red Dragons	Massapequa, NY
533	PSIcotics	Long Island, NY
694	StuyPulse	New York City, NY
747	Flight Crew	Middlesex, NJ
806	Brooklyn Blacksmiths	Brooklyn, NY
1089	Team Mercury	Hightstown, NJ
1257	Parallel Universe	Scotch Plains, NJ
1279	Cold Fusion	Somerville, NJ
1626	Falcon Robotics	Metuchen, NJ
1676	Pascack Pi-oneers	Montvale, NJ
1796	The RoboTigers	New York City, NY
1923	MidKnight Inventors	Plainsboro, NJ
1989	Viking Robotics	Vernon, NJ
2458	Team Chaos	Gladstone, NJ
2525*	Astraea Robotics	East Brunswick, NJ
2554	WarHawks	Edison, NJ
2590	Nemesis	Robbinsville, NJ
2601	Steel Hawks	Flushing, NY
2607	Fighting RoboVikings	Warminster, PA
3142	Aperture	Newton, NJ
3340	MagneGeeks	Union, NJ
3637	The Daleks	Flemington, NJ
4122	Ossining O-bots	Ossining, NY
4361	Roxbotix	Succasunna, NJ
4575	Tin Mints	Morton, PA
4653	Ironmen Robotics	Ramsey, NJ
5421	Birch Bots	New York, NY
5624	Tiger Tech	South Plainfield, NJ
5895	Peddie School Robotics	Hightstown, NJ
6203	Titanium Knights Robotics	Hackensack, NJ
6327*	The Tin Men	Media, PA
6401*	Clarkstown North 8-Bit Rams	New City, NY
6593*	Lions	Richmond Hill, NY

\* Pre-rookie team



# Sponsors

Raider Robotix would like to thank the following organizations and individuals for helping make Brunswick Eruption happen:



**Change of Heart  
Cardiology**

732-543-0891

**American Legal  
Group LLC**

**North  
Brunswick Pub**  
1864 Route 1, North Brunswick, NJ

**eureQa**

**DAVEN AGENCY, INC.**



**Chartwells**

**Importers Etc., Inc.**

**PATRIOT**  
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