

RAMP RIOT

★ 15TH ANNIVERSARY ★



TABLE OF CONTENTS

Welcome.	3
Team List.	4
Pit Map for FRC Teams	5
Regular Event Schedule	6
Special Events	7
The Fun Stuff.	8
Event Information	10
Competition Information	12
Awards Information.	14
Practice Schedule.	15
Safety Information.	16
Travel & Logistics	17
Sponsors & Partners.	19
Playoff Alliance Tracker	20
Lunch Pre-Order Form	21
Ramp Riot Flyer	22

WELCOME!

Our 15th Anniversary!

Welcome to the 15th year of Ramp Riot! We want to thank everyone for taking part in this celebration of *FIRST*®!

What has kept Ramp Riot such a successful event has always been the quality of the participating teams. We are grateful for your attendance.

Ramp Riot started in the fall of 2000 with 8 teams in an almost empty gym. The original idea was to hold a scrimmage and train a few rookies. But the teams had such a great time that we decided to play every year.

Now in our 15th year, the goal has not changed. The principal mission of Ramp Riot is to train and inspire everyone's rookies. We are dedicated to delivering a high energy event that is a simulation of the regular season. Even though we have grown to over 50 FRC and FTC teams, we have never forgotten that our rookies still need that spark of inspiration that will keep them in *FIRST*®.

Don't ever forget that this **spark of inspiration starts with YOU!**

Keep this in your thoughts as you compete at Ramp Riot. Be **strong in competition, enthusiastic in the stands** and **supportive in the pits**.

Let's all get excited for the benefit of our new rookie members!

Thank you again for competing and **Welcome to Our Garden!!**

Have a great day at Ramp Riot 2014!



TEAM LIST

36 Awesome Teams!

Team #	Team Name	School Affiliation	Location
11	MORT	Mt. Olive High School	Flanders, NJ
103	Cybersonics Technology Team	Palisades High School	Kintnersville, PA
222	Tigertrons	Tunkhannock Area High School	Tunkhannock, PA
224	The Tribe	Piscataway High School	Piscataway, NJ
225	TechFire	n/a	York, PA
272	Cyber Crusaders	Lansdale Catholic High School	Lansdale, PA
304	Robo Griffins	George Washington High School	Philadelphia, PA
316	LuNaTeCs	Salem, Gloucester & Cumberland County High Schools	Alloway, NJ
321	RoboLancers	Central High School	Philadelphia, PA
341	Miss Daisy	Wissahickon High School	Ambler, PA
365	MOE / Miracle Workerz	Multiple – MOE Robotics Group	Wilmington, DE
423	simple machines	Cheltenham High School & Springfield High School	Wyncote, PA
433	Firebirds	Mount St. Joseph Academy	Flourtown, PA
484	RoboForce	Haverford High School	Havertown, PA
533	The PSIsotics	Lindenhurst High School	Lindenhurst, NY
708	Hardwired Fusion	Hatboro-Horsham Senior High School	Horsham, PA
709	Femme Tech Fatale	The Agnes Irwin School	Bryn Mawr, PA
1168	Malvern Prep Robotics	Malvern Preparatory School	Malvern, PA
1218	Vulcan Robotics	SCH Academy	Philadelphia, PA
1391	Westtown Metal Moose	Westtown High School	West Chester, PA
1403	Cougar Robotics	Montgomery High School	Skillman, NJ
1626	Falcon Robotics	St. Joseph High School	Metuchen, NJ
1640	Sab-BOT-age	Downingtown Area Robotics	Glenmoore, PA
1676	Pascack Pi-oneers	Pascack Valley High School & Pascack Hills High School	Montvale, NJ
1712	Dawgma	Lower Merion High School	Phoenixville, PA
2016	The Mighty Monkey Wrenches	Ewing High School & Katzenbach School for the Deaf	Ewing, NJ
2539	Krypton Cougars	Palmyra Area High School	Palmyra, PA
2607	Fighting RoboVikings	Archbishop Wood High School	Warminster, PA
3151	Cyberstorm	Gloucester County Institute of Technology	Sewell, NJ
3167	Environmental Tectonics Crusaders	Father Judge High School	Philadelphia, PA
3314	Mechanical Mustangs	Clifton High School	Clifton, NJ
4281	The Bull Dogs	The Center School	Branchburg, NJ
4575	The Tin Mints	Girl Scouts of Eastern PA	Morton, PA
4637	BambiBotz	St. Hubert HS	Philadelphia, PA
4954	4-H Palindrome Robotics	Delaware 4-H Youth Organization	Middletown, DE
5254	Robot Raiders	Trumansburg High School	Trumansburg, NY

PIT MAP FOR FRC TEAMS



REGULAR EVENT SCHEDULE

See Special Events Page for Other Activities

Time Activity

5:30 AM Team 341 Reports to WHS

7:00 AM Doors / Pits open

7:20- 8:30 AM Practice Rounds

8:40 - 9:00 AM Opening Ceremonies:
Welcome!
Team Introductions & Opening Video
National Anthem

9:00 AM -12:30 PM Qualifying Rounds (5 matches)

10:00 - 11:00 AM Team 11's roboRIO Seminar @ D-29/31

12:30 - 1:00 PM Alliance Selection

1:00 – 1:45 PM Lunch Break
MAR District Open Forum @ D-29/31

1:45 – 2:15 PM Special Presentations:
Honoring Mike Wade

2:15 - 5:00 PM Elimination Rounds

5:00 PM Awards/Closing Ceremonies

5:30 PM Field Breakdown



SPECIAL EVENTS

Team 11 MORT roboRIO Presentation

10:00 AM // Rooms D-29/31

FRC 11 - MORT will be presenting their roboRIO testing results.

MAR District Open Forum

Lunch Break // Rooms D-29/31

An open discussion of MAR-related topics lead by MAR board members. All FRC participants are welcome. Room D-29 is just up the hall from the main lobby. Directional signs will be posted.

Honoring Mike Wade

After Lunch Break // FRC Arena

Mike Wade was a NASA Goddard Space Flight Center employee that made a life's work out of helping children. He also provided invaluable support which fostered the growth of Ramp Riot and many *FIRST*® Teams.

Mike passed away in the spring of 2007, leaving a legacy of caring that we all must strive to continue. We honor him at Ramp Riot each year as a patron of our event, a pillar of *FIRST*®, and a mentor to many children in need. Each year we ask teams to donate canned goods to the Mattie Dixon Community Cupboard.

The team that brings the most cans will win the **Mike Wade Memorial Award**. Mike gave us all so much over the years. We ask that all teams participate in this contest to honor his contributions to young people everywhere.

FTC Scrimmage Event

All Day // Lower Cafeteria

We are pleased to announce that Ramp Riot will host an FTC scrimmage in the Lower Cafeteria, just a short hallway walk from the FRC arena. This competition will host teams playing the 2014 FTC game challenge. Thank you to the **PA FTC group** for putting this amazing event together. To learn more please contact **Tom Zawislak** at penn.ftc@gmail.com

THE FUN STUFF!

Awesome MCs

“Angry” Eric will MC at Ramp Riot, along with many other special guest MCs and game announcers. Thank you to everyone that takes the floor at Ramp Riot.

Event Webcast

<http://webcast.team341.com> The Miss Daisy Media Team has pumped up the quality of this broadcast. Please be sure to pass this link along to family, friends, and colleagues of your team.

Canned Food Drive

Each year we hold a contest for the team with the most canned goods delivered. The team with the most cans delivered will win the **Mike Wade Memorial Award**. These cans are then delivered to the **Mattie Dixon Community Cupboard** to prepare Thanksgiving Dinners for needy families. (1,000 cans last year!) **Please contribute to this worthwhile cause in Mike Wade’s memory.**

iPad Mini Raffle Tickets

We will be selling raffle tickets to win an Apple iPad Mini. Tickets will be sold in the lobby for \$1 each or (8) for \$5. The drawing will be held at approximately 5:00 PM on the floor at Ramp Riot on November 1st during the Final Awards Ceremony.

Tool Case Raffle Tickets

Win a **tool case** filled with **quality hand tools**. Tickets will be sold in the lobby for \$1 each or (8) for \$5. The drawing will be held during the Final Awards Ceremony.

Event T-Shirts

Special 15th Anniversary Ramp Riot t-shirts will be for sale in the FRC lobby this year. A limited number of shirts are available so don’t miss out on this special souvenir of your time at Ramp Riot... or perhaps a memory from the past 15 years.

Face Painting

Face painting will be available in the FRC lobby. Pay-as-you-wish donations will be accepted (\$2 suggested).

FTC Kids Driving Zone

Times TBD // FRC Lobby

Visiting kids can drive a robot for free in the Robot Driving Zone. A field with FTC robots will be located in the lobby for kids to try their hand at driving a machine. This area is free for visiting children, courtesy of **PA FTC**.

Welcome Gifts

On each pit table you will find a gift bag for your team, courtesy of Team 341. Thank YOU for participating this year.



EVENT INFORMATION

Questions and Help

If you have questions or need help please see anyone in a blue and white crew shirt or a black Team 341 shirt. They will be able to direct you to someone that can assist you. If you urgently need to locate someone in charge of the event you can approach the announcer or information table for assistance.

Arrival

It is critical that all teams **show up on time** and **notify the check-in table** immediately upon arrival. This will allow us to make the match schedule quickly. You must have a robot, 3 students, and 1 mentor in the stadium to be considered present. Please call 215-740-2739 if you are going to be late. **The match schedule will be made final at 8:30 AM.**

FRC & FTC Load In

Please bring all FRC team equipment down the loading ramp outside. This area will be marked as “FRC Robot Load-In”. Please bring all FTC team equipment to the Dager Road entrance of the building. The entrance is at the auditorium. This area will be marked as “FTC Robot Load-In”. For the safety of the teams and patrons please **do not bring equipment or robots through the FRC lobby or down stairways.**

Pit Area

Space is limited in the pit area. Please stay within the boundaries of your pit and be kind to your neighbors. If you have large banners, displays, or posters, we can find a space somewhere on the upper level of the arena for these items. The Pit Areas should stay clear of obstructions to traffic and sight lines to the field. If you are having an issue with your pit, please see an event manager or crew member for immediate assistance.

Robot Repairs

If you need help with your machine or a spare part please go to the 341pit area, an event crew member, or approach the announcer to make an announcement. If you are traveling without your adult repair team, please let us know in the morning. Please **do not grind metal, solder, or use open flames in the pit area.** A machine shop is available in the building for more complicated repairs.

Gracious Professionalism

Fun is the rule for the day. Please act in accordance with the guidelines of Gracious Professionalism. Ungracious behavior directed at referees or event volunteers will not be tolerated and will be grounds for disqualification from the event. Be kind to your referees, fellow teams, and help them as needed.

Safety & Inspections

All team members and their guests are expected to behave in a safe manner and obey all safety rules. Individuals not acting safely will be asked to leave the event premises. No inspections will take place. However it is expected that all robots will follow the *FIRST*® guidelines for construction and fairness. The event manager reserves the right to enforce *FIRST*® machine guidelines at all times.

Food

Food is available in the FRC Lobby and the Lower Cafeteria (FTC Arena) areas. Food for lunch can be pre-ordered by teams. A food pre-order form is available in this packet and will also be available at the time of check in. The pre-order deadline is at 9:30 AM on the morning of the event. **No food is allowed in the Circle Gym/FRC Arena at any time.**

VIP Room

A classroom has been set aside away from the intensity of the FRC Arena as a place to entertain special guests and **support our many volunteers.** There will be light morning and afternoon food service available in this room. Event volunteers such as referees, field crew, MCs, and special event volunteers are encouraged to take advantage of this service.

Arena Seating

Please be seated in the stands during match play. For reasons of safety and courtesy to fans, please do not stand up at the field rails while robots are operating. Please note that the lower level is reserved for teams, volunteers, and special visitors. The upper level is designated for the general public and guests of our competing teams. This rule helps keep the competition areas clear for teams and robot traffic.



COMPETITION INFORMATION

Practice Rounds

You will find a practice round schedule in this packet. Practice rounds will begin promptly at 7:20 AM. If teams miss their practice round, we will attempt to fit them in later if possible. All practice will stop at 8:30 AM regardless of circumstances.

Qualification Rounds

A qualification round schedule will be generated on the morning of the event. It is critical that all teams **show up on time** and **notify the check-in table** immediately upon arrival. This will allow us to make the match schedule quickly. Please call (215) 740-2739 if you are going to be late. **The match schedule will be made final at 8:30 AM.** If you arrive after 8:30 AM without notifying us, you will not be included in the competition schedule.

Event Timing

Ramp Riot is a single day event with 36 teams, so timing is critical. All matches will start on time. There will be very little flexibility for teams arriving late to the field, match replays, or long discussions of on-field decisions. **All referee decisions are final.** Match replays are very rare and at the discretion of the event organizers and referees. We are here for fun! Gracious Professionalism will be the rule of the day.

Seeding

This will be the same as a *FIRST*® regional.



Alliance Selections

Selections will be conducted immediately after the last qualifying round has been played for all teams. Please send a representative to the queuing area of the field prior to the final qualification match.

Eight alliances will be created, consisting of **four robots** per alliance. The top eight seeded teams will choose their first two partners using the *FIRST*® competition serpentine method. However the top seeds may **not choose** among the top eight in 2014. Please **come to the field prepared** to make selections!

A fourth robot will be automatically assigned to each alliance as a back-up team. These assignments will be made in reverse ranking order during selections. For example the number 8 alliance will automatically be assigned the top seeded unselected team. If the 4th partner is not prepared to accept, then the next team will be assigned. The alliance does not have to play this partner, but they will be considered as part of the alliance for awards. The 4 unselected teams will be standby robots in case an alliance loses a machine. If a 5th partner becomes a champion or finalist a special order will be made to supply a trophy after the event.

Playoff Rounds

Playoffs will be patterned after the *FIRST*® regional events. Rounds will be the best two out of three matches. See the **Playoff Alliance Tracker** page for a guide.



AWARDS INFORMATION

We are very pleased to announce that the Spirit, GP, and Judges Award will all be decided this year by experienced **FIRST® judges** conducting **pit interviews**. This is a great chance to train your new students on the judging process in a low-pressure environment. The awards are just for fun but the training will be very valuable for your students.

Awards

- Ramp Riot Champions (Team award – 4 teams)
- Ramp Riot Finalists (Team award – 4 teams)
- Mike Wade Memorial Award (Food Drive)
- Number One Seed
- Spirit of Ramp Riot (Judged Award)
- Ramp Riot GP Award (Judged Award)
- Judges Award (Judged Award)



PRACTICE SCHEDULE

	RED	RED	RED	BLUE	BLUE	BLUE
7:20-7:25 AM	433	708	423	1218	2607	341
7:30-7:35 AM	272	321	304	709	3167	1712
7:40-7:45 AM	4637	484	1168	4575	103	2016
7:50-7:55 AM	1640	1391	3151	365	316	1403
8:00-8:05 AM	4281	4954	224	1626	11	2539
8:10-8:15 AM	225	3314	1676	222	533	5254
8:20-8:25 AM	Open Session: for teams that missed practice					
8:30-8:40 AM	Field Reset for Opening Ceremony					

Please Note

All field practice will end at 8:30 AM, regardless of whether all teams have practiced.

SAFETY INFORMATION

Emergency Phone Numbers

General emergency (using building phone system) dial 6-911.

First Aid

Please go to the Pit Administration table or Team 341 Pit for basic First Aid supplies.
Please alert the event organizers if more involved care is required.

Pit Safety

Safety expectations and rules at Ramp Riot are the same as for all *FIRST*® events.
Please refer to the *FIRST*® manual for those standards. **Safety glasses must be worn** in the pits and on the playing field at all times.

General Conduct

All participants and volunteers are expected to behave with Gracious Professionalism at all times. Any unruly behavior or actions which create safety concerns may result in warnings or ejection from the site at the discretion of the organizers. Ungracious or threatening behavior directed at referees or event volunteers will not be tolerated and will be grounds for disqualification and ejection from the event.

General Safety Communications

Please notify an Event Crew member if you have any safety issues or concerns. Please report any illness or injuries to the pit administration table, the announcers table, or the event organizers.



TRAVEL & LOGISTICS

Directions: Can be obtained by going to the Ramp Riot website at www.rampriot.com or by going directly to this web address: <http://maps.google.com/maps?q=houston+road,+ambler+pa&spn=0.021776,0.031543&hl=en>

From Pennsylvania Turnpike

1. Exit at FORT WASHINGTON - Exit #26
2. Get on 309 North
3. Exit from 309 at SUSQUEHANNA ROAD - Turn LEFT at bottom of ramp
4. Continue past traffic light at BUTLER PIKE & SUSQUEHANNA
5. Turn LEFT at stop sign (TENNIS AVENUE) go to BETHLEHEM PIKE
6. Turn RIGHT on BETHLEHEM PIKE, continue north on BETHLEHEM PIKE until Dager Road
7. At Dager Road and BETHLEHEM PIKE (BMW Dealership) make a left onto Dager
8. Follow Dager a very short distance to Houston Road
9. Turn LEFT onto Houston Road
10. The High School will be on your right hand side.

Friday Arrival

Teams may drop off robots and/or load their pit area on Friday night from 6:00 PM until about 8:00 PM. Please call (215) 740-2739 in advance to make arrangements. No robot repair is allowed in the gym on Friday night.



Local Hotel Options

Residence Inn Montgomeryville

1110 Bethlehem Pike

North Wales, Pennsylvania 19454 USA

Phone: (267) 468-0111

<http://www.marriott.com/hotels/travel/phlmg-residence-inn-philadelphia-montgomeryville/>

Holiday Inn – Fort Washington

432 West Pennsylvania Avenue

Fort Washington, PA 19034

Phone: (215) 643-3000

<http://www.holidayinn.com/hotels/us/en/fort-washington/ftspa/hoteldetail/directions>

Emergency Robot Materials

Home Depot

Montgomeryville

751 Horsham Road

Lansdale, PA 19446

Phone: (215) 393-8180

Lowe's Home Improvement

630 Cowpath Road

Lansdale, PA 19446

Phone: (215) 353-4200

Radio Shack

707 Montgomery Mall

North Wales, PA 19454

Phone: (215) 368-1448



SPONSORS & PARTNERS

Please welcome our sponsors and partners that make this event a special day.
The following organizations will be honored on the field.

Sponsors

- Dow Chemical
- Johnson & Johnson
- Cobham
- Comcast
- Janssen
- Boeing
- BAE Systems
- Denney Electric Supply
- Mid-Atlantic Robotics

Partners

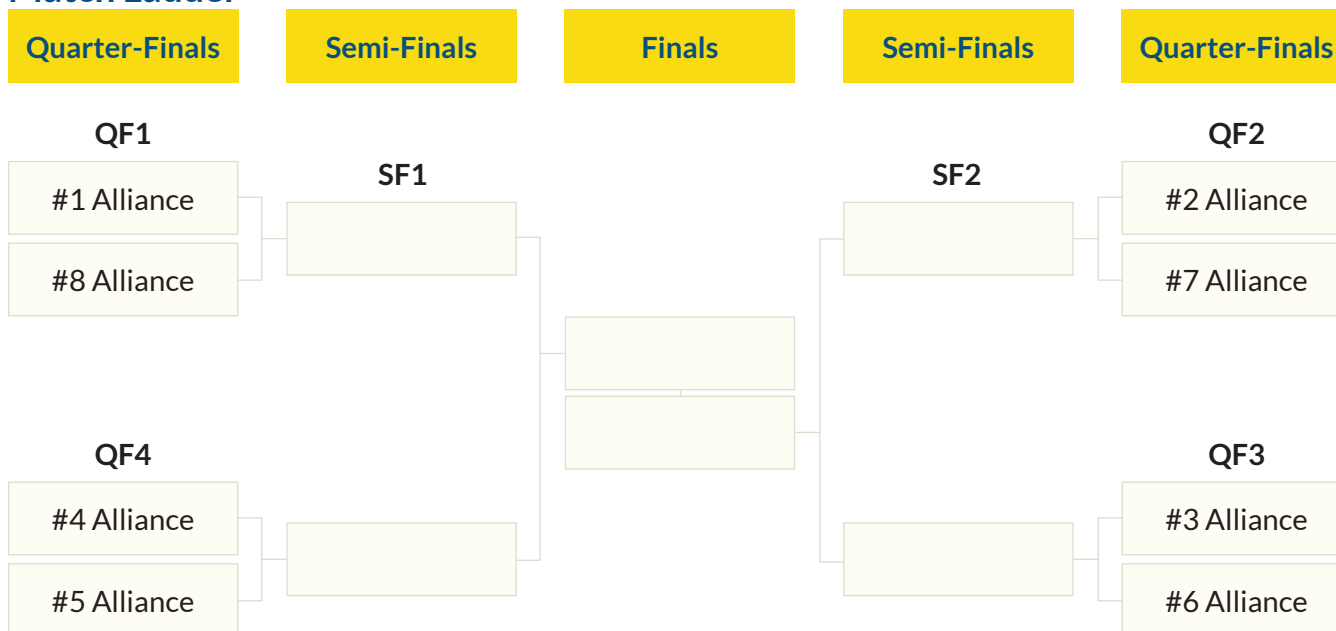
- PA FTC Committee
- Wissahickon School District.
- Mattie Dixon Community Cupboard
- The Philadelphia Phillies

PLAYOFF ALLIANCE TRACKER

Alliances

Alliance #	Team #1	Team #2	Team #3	Team #4
1				
2				
3				
4				
5				
6				
7				
8				

Match Ladder



PRE-ORDER LUNCH FORM

Team #: _____ Desired Pick-Up Time: _____

Pick-Up Person: _____ Contact Phone Number: _____

Item	Price	Quantity	Total
Hot Dog	\$2.00		
Italian Hoagie	\$5.00		
Roast Beef Hoagie	\$5.00		
Turkey Hoagie	\$5.00		
Veggie Hoagie	\$5.00		
Whole Cheese Pizza	\$16.00		
Garden Salad w/Croutons	\$5.00		
Chips (snack size bag)	\$0.50		
Pretzels (snack size bag)	\$0.50		
Water (16 oz. bottle)	\$1.00		
Coke (12 oz. can)	\$1.00		
Diet Coke (12 oz. can)	\$1.00		
Pepsi (12 oz. can)	\$1.00		
Diet Pepsi (12 oz. can)	\$1.00		
A&W Rootbeer (12 oz. can)	\$1.00		
Sprite (12 oz. can)	\$1.00		
Dr. Pepper (12 oz. can)	\$1.00		
Diet Dr. Pepper (12 oz. can)	\$1.00		
Fanta Orange (12 oz. can)	\$1.00		
Lipton Ice Tea (12 oz. can)	\$1.00		
Diet Lipton Ice Tea (12 oz. can)	\$1.00		
Minute Maid Lemonade (12 oz. can)	\$1.00		
Gatorade (12 oz. bottle) Various Flavors	\$1.00		
Team Total			

The pre-order deadline is at 9:30 AM.

Payment must be submitted in the form of cash or check. We do not accept credit cards.

Please drop off the completed form in the morning at the upstairs kitchen window. Pick-ups will also be made at the upstairs kitchen window. A variety of foods will be made available all day long for teams that do not pre-order, however, pre-ordering helps us to better serve your team. **Thank you for your order!**



RAMP RIOT XV

OUR 15TH ANNIVERSARY!

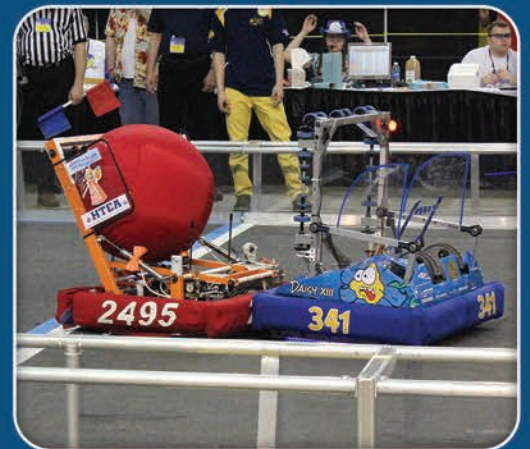


**Wissahickon HS
Ambler, Pa.**

**November 1, 2014
8 am – 5 pm**

Free to the Public

**FOR MORE INFORMATION:
WWW.TEAM341.COM/RAMPRIOT**



MUSIC!
GAMES! PRIZES!

FREE
ADMISSION

36 INCREDIBLE
ROBOTS!