

Ramp Riot 2012 Information Pack



Welcome to the 13th 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 13th 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 2012!!

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Team List: **36 Awesome Teams!!**

- | | |
|---|---|
| 11 MORT, Mt. Olive HS | 709 Femme Tech Fatale, Agnes Irwin School |
| 25 Raider Robotix, N. Brunswick HS | 834 Spartechs, Southern Lehigh HS |
| 75 RoboRaiders, Hillsborough HS | 869 Power Cord, Middlesex HS |
| 103 Cybersonics, Palisades HS | 1168 Malvern Robotics, Malvern Prep |
| 222 Tigertrons, Tunkhannock AHS | 1218 Vulcan Robotics, Chestnut Hill Academy |
| 224 The Tribe, Piscataway HS | 1391 Metal Moose, Westtown Friends |
| 225 Tech Fire, St Onge High School | 1403 Cougar Robotics, Montgomery HS |
| 272 Cyber Crusaders, Lansdale Catholic HS | 1640 Sab-BOT-age, Downingtown HS |
| 306 Corry Robotics Team, Corry Area HS | 1676 Pascack Pi-oneers, Pascack Valley RHS |
| 316 South Jersey Robotics, South Jersey HS | 1712 Dawgma, Lower Merion HS |
| 341 Miss Daisy, Wissahickon HS | 1923 Midnight Inventors, West Windsor-Plainsboro |
| 365 MOE Robotics, Engineering Club | 2016 Mighty Monkey Wrenches, Ewing HS/ MKSD |
| 369 High Voltage, Grady Technical HS | 2229 Roboshop, Plymouth-Whitemarsh |
| 423 Simple Machines, Cheltenham/ Springfield | 2528 RoboDoves Western HS |
| 433 Firebirds, Mount Saint Joseph's Academy | 2607 RoboVikings, Archbishop Wood HS |
| 484 Robo-Force, Haverford HS | 2866 Phoenix Robotics, Owings Mill HS |
| 694 StuyPulse , Stuyvesant HS | 3123 Wild Cogs, Owen J Roberts HS |
| 708 Hard-Wired Fusion Hatboro-Horsham | 3929 Atomic Dragons, JR Masterman HS |

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Special Events !!

Webcast of Matches and Seminars: <http://webcast.team341.com/>

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. More details are on the next page.

2012 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 2012 FTC game challenge. Thank you to the **PA FTC group** for putting this amazing event together. To register for the event or to learn more please contact **Tom Zawislak** at penn.ftc@gmail.com

FRC JAVA Beta Test Seminar: **Jared Russell**, Time & Room Assignment (TBD)

FRC Labview Beta Test Seminar: **Peter Randall**, Time & Room Assignment (TBD)

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The FUN Stuff!!

Webcast of Matches and Seminars:

<http://webcast.team341.com/>

The T-shirt Shooter is Back!!

Team 306 will be firing souvenirs of different types up into the stands during the event. Thank you to Corry Robotics for this gracious offer.

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. (1100 cans last year!) **Please contribute to this worthwhile cause.**

i-Pod Touch Raffle Tickets: We will be selling tickets to win an Apple i-Pod Touch. Tickets will be sold in the lobby for \$1 each or (8) for \$5. The drawing will be held at 5:00 PM on the floor at the Ramp Riot on November 10th prior to 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 at the closing ceremony.

Event T-Shirts: Event T-Shirts will be for sale in the FRC lobby and the FTC area this year. A limited number of shirts are available so don't miss out on this special souvenir of your time at Ramp Riot. The price is \$15 each shirt.

Hexbugs for Sale: Once again there will be **Hexbug Robots** for sale in both the FRC and FTC concession areas. These items will be sold for the clearance price of \$5. These are great gifts for the kids and are perfect stocking stuffers or Pollyanna gifts.

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

Team in a Box Distribution:

A limited number of **Team in a Box V 5.0 disks** will be available at the information table in the FRC lobby. Orders for additional copies can be made through our team website at www.team341.com

Team in a Box has been named as a "must have" resource by the FIRST website. Thank you to **AndyMark** for their continuing support.

FTC Kids Driving Zone: Times TBD in 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.

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EVENT INFORMATION

Questions and Help: If you have questions or need help please see anyone in a blue and gold Crew shirt or a blue and gold Team 341 Shirt. They will be able to direct you to someone that can assist you. If you 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. 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 else in 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 341 pit area, an event crew member, or approach the announcer for assistance. 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 (see Safety page). 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 pre-order food list 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. Through a generous donation by WEOF, there will be a 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.

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COMPETITION INFORMATION

Practice Rounds: You will find a practice round schedule in this packet. Practice rounds will begin 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 5th qualifying round has been played for all teams. (please see the schedule) Please send a representative to the field immediately after the final 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 2012. 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:

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

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Regular Event Schedule

(See Special Events Page for Other Activities)

<u>Time</u>	<u>Activity</u>
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 <ul style="list-style-type: none">- Welcome- Team Intro & Video- National Anthem
9:00 AM -12:30 PM	Qualifying Rounds (5 of 5)
12:30 - 1:00 PM	Alliance Selection
1:00 – 1:45 PM	Lunch Break
1:45 – 2:15 PM	Special Presentations
2:15 - 5:00 PM	Elimination Rounds
5:00 PM	Awards/Closing Ceremonies
5:30 PM	Field Breakdown

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Practice Schedule

RED

7:20-7:25

272 1218 708

7:30-7:35

365 103 316

7:40-7:45

1712 1168 709

7:50-7:55

1640 834 25

8:00 – 8:05

11 224 225

8:10-8:15

222 306 694

BLUE

423 433 341

484 1391 369

2229 3929 3123

2607 75 1403

2866 2016 1923

869 1676 2528

8:20 -8:25 AM

Open Session: For teams that missed practice

8:30 AM

Field Reset for Opening Ceremony

Please Note:

All Field Practice will end at 8:30 AM

(Regardless of whether all teams have practiced)

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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.

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Travel and Logistics

Directions: Can be obtained by going to the Ramp Riot section of www.team341.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>

This Google site gives the user the ability to input their address to the Google map and print out directions.

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.

Hotel Choices for Ramp Riot

Residence Inn Montgomeryville

1110 Bethlehem Pike

North Wales, Pennsylvania 19454 USA

Phone: 1-267-468-0111

<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 Rd - Unit D

Lansdale, PA 19446

(215)393-8180

Radio Shack

707 Montgomery Mall

North Wales, PA 19454

215-368-1448

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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
Lockheed Martin
Comcast Cable
Boeing Company
Johnson & Johnson
Janssen Biotech
Cobham Defense Electronics
BAE Systems
PJM Interconnection
AndyMark Inc.
Techni-Tool

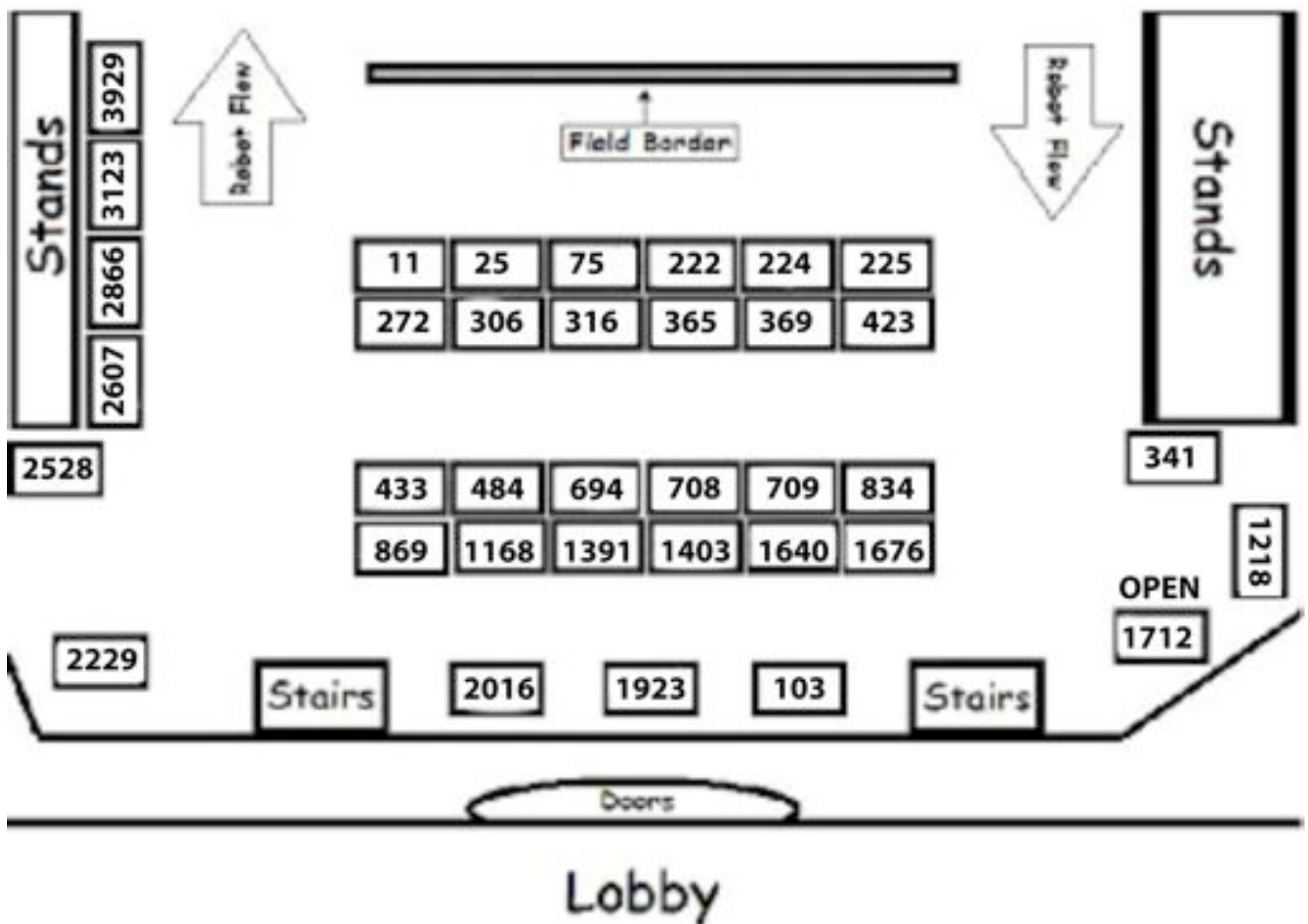
Partners

PA FTC Committee
Wissahickon School District.
Wissahickon Ed. Opportunities Foundation
Mattie Dixon Community Cupboard

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Pit Map for FRC Teams





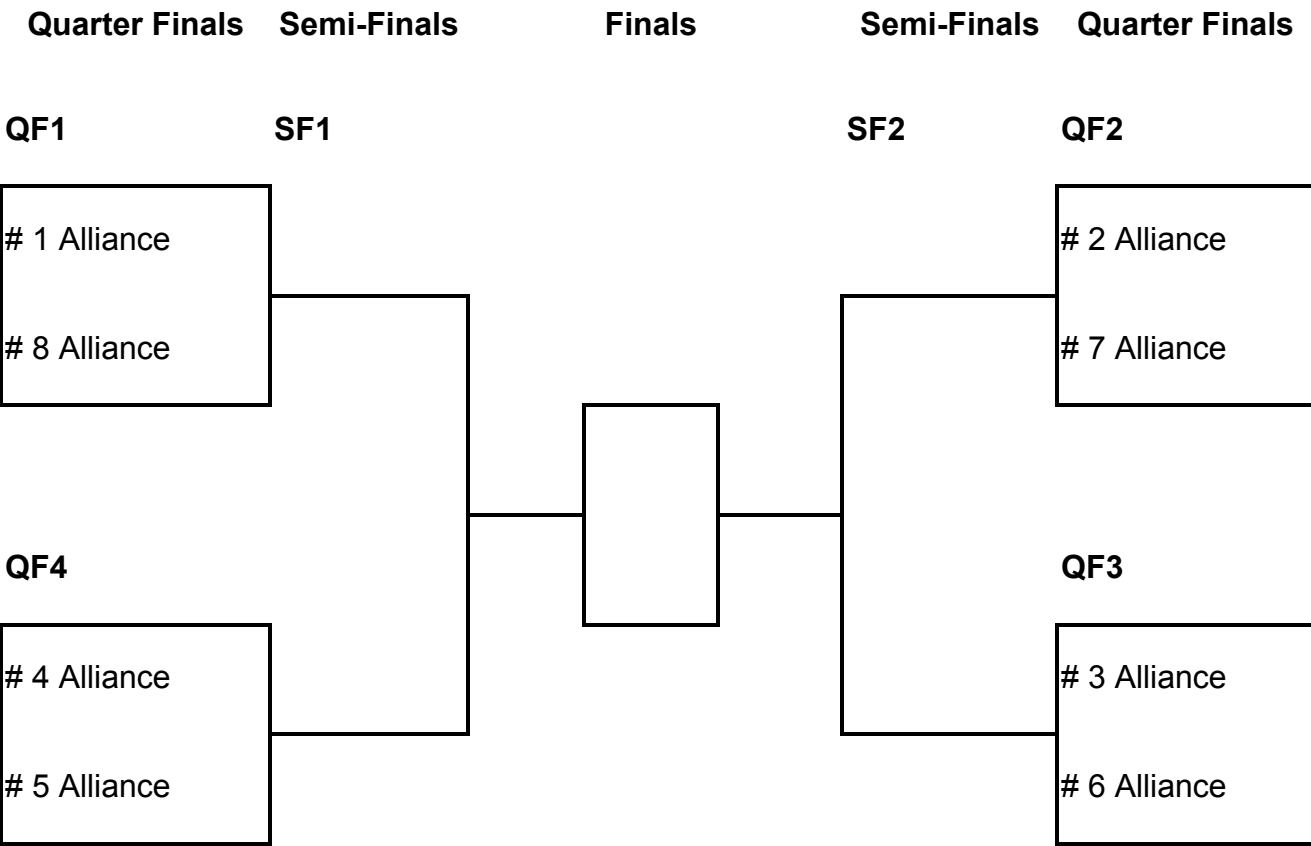
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Playoff Alliance Tracker

Alliances

ALLIANCE #	TEAM 1	TEAM 2	TEAM 3	TEAM 4
1				
2				
3				
4				
5				
6				
7				
8				

Match Ladder



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The Ramp Riot GP Award

(For the Team with the most Gracious Professionalism at Ramp Riot)

Please Do Not Vote for Team 341

Voting for Team:_____ From Team:_____

Reason:_____

- | | |
|---|---|
| 11 MORT, Mt. Olive HS | 834 Spartechs, Southern Lehigh HS |
| 25 Raider Robotix, N. Brunswick HS | 869 Power Cord, Middlesex HS |
| 75 RoboRaiders, Hillsborough HS | 1168 Malvern Robotics, Malvern Prep |
| 103 Cybersonics, Palisades HS | 1218 Vulcan Robotics, Chestnut Hill Academy |
| 222 Tigertrons, Tunkhannock AHS | 1391 Metal Moose, Westtown Friends |
| 224 The Tribe, Piscataway HS | 1403 Cougar Robotics, Montgomery HS |
| 225 Tech Fire, St Onge High School | 1640 Sab-BOT-age, Downingtown HS |
| 272 Cyber Crusaders, Lansdale Catholic HS | 1676 Pascack Pi-oneers, Pascack Valley RHS |
| 306 Corry Robotics Team, Corry Area HS | 1712 Dawgma, Lower Merion HS |
| 316 South Jersey Robotics, South Jersey HS | 1923 Midnight Inventors, West Windsor-Plainsboro |
| 365 MOE Robotics, Engineering Club | 2016 Mighty Monkey Wrenches, Ewing HS/ MKSD |
| 369 High Voltage, Grady Technical HS | 2229 Roboshop, Plymouth-Whitemarsh |
| 423 Simple Machines, Cheltenham/ Springfield | 2528 RoboDoves Western HS |
| 433 Firebirds, Mount Saint Joseph's Academy | 2607 RoboVikings, Archbishop Wood HS |
| 484 Robo-Force, Haverford HS | 2866 Phoenix Robotics, Owings Mill HS |
| 694 StuyPulse , Stuyvesant HS | 3123 Wild Cogs, Owen J Roberts HS |
| 708 Hard-Wired Fusion Hatboro-Horsham | 3929 Atomic Dragons, JR Masterman HS |
| 709 Femme Tech Fatale, Agnes Irwin School | |

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The **SPiRiT** of **RAMP RIOT** AWARD

Vote for the Team with the most Spirit !!!

Please Do Not Vote for Team 341

Voting for Team: _____ From Team: _____

Reason: _____

- | | |
|---|---|
| 11 MORT, Mt. Olive HS | 834 Spartechs, Southern Lehigh HS |
| 25 Raider Robotix, N. Brunswick HS | 869 Power Cord, Middlesex HS |
| 75 RoboRaiders, Hillsborough HS | 1168 Malvern Robotics, Malvern Prep |
| 103 Cybersonics, Palisades HS | 1218 Vulcan Robotics, Chestnut Hill Academy |
| 222 Tigertrons, Tunkhannock AHS | 1391 Metal Moose, Westtown Friends |
| 224 The Tribe, Piscataway HS | 1403 Cougar Robotics, Montgomery HS |
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Pre-Order Lunch Form (Optional)

Team # _____ Pick Up Person _____ Desired Time _____

<u>Item</u>	<u>Price</u>	<u>Quantity</u>	<u>Total</u>
Hot Dog	\$2.00	_____	_____
Italian Hoagie	\$5.00	_____	_____
Roast Beef Hoagie	\$5.00	_____	_____
Turkey Hoagie	\$5.00	_____	_____
Whole Pizza	\$16.00	_____	_____

Team Total _____

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.

The pre-order deadline is at 9:30 AM

Please Note: A variety of foods will be made available at the upstairs lunch counter and the FTC concession stand 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!