

# Northern NJ Outreach Scrimmage

## *Hosted by Millburn Millers*

- First and foremost, we thank Dave Farrell, Millburn Robotics and Millburn High School for hosting this event.
- We'd also like to thank our volunteers and our mentoring teams who are coming to share the benefit of their knowledge and experience with our newest FTC teams and interested guests.
- Last but not least, THANKS to our new team members and guests. It is great to have you join us at this Outreach Scrimmage. We are delighted to have you with us this Saturday and look forward to seeing you compete at future events.

**Millburn High School  
462 Millburn Avenue  
Millburn, New Jersey 07041**

**School Website:** [http://www.edline.net/pages/Millburn\\_HS](http://www.edline.net/pages/Millburn_HS)

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Event Start 9:00 am

Event End 3:30 pm

# SCHEDULE FOR THE DAY

	<b>Welcome</b>	Coffee, Juices, Doughnuts as folks arrive, mingle and get settled.
<b>9:00</b>	<b>Orientation</b>	Powerpoint overview of FIRST Robotics, FTC and the Teams & Events in New Jersey.
<b>9:15</b>	<b>FTC Team Discussion</b>	Description of this year's official FIRST Game. Supporting FTC members describe the design of representative robots, how the game is played, and the season.
<b>9:30</b>	<b>Today's Special Game Discussion (Q&amp;A)</b>	Details of the event's competition will be described. Q&A period. Brainstorming.
<b>9:45</b>	<b>Alliance Formation</b>	Mentoring FTC members are partnered with the new (and future FTC team members) to create 2-robot Alliances
<b>10:00</b>	<b>Robot Prep</b>	Training robots (jersey-bots) are loaned to the competing Alliances. These robots can be modified with mechanisms to best play Veterans assist new people in making the necessary modifications.
<b>11:00</b>	<b>Practice Time - Large Bots</b>	Large FTC robots, owned by teams, have the opportunity to operate on the special Field to practice with the various elements.
<b>11:30</b>	<b>Modify &amp; Practice Time - Small Bots</b>	Small training robots, loaned to teams, have the opportunity to operate on the Field.
<b>12:00</b>	<b>Lunch</b>	
<b>12:30</b>	<b>Mini-Competition Kick Off</b>	Teams reconvene in the Competition Area. Final questions are answered. Matches begin.
<b>12:45</b>	<b>Competition - Phase 1</b>	Matches are played. Every team competes in three matches and has a chance to play against every other Alliance.
<b>1:45</b>	<b>Competition - Phase 2</b>	Possible modifications to the Game Rules are announced and a second round of matches are played.
<b>3:00</b>	<b>Closing and Awards</b>	Event Awards given to the Winning Alliance. Photos for the event album. Closing remarks.
<b>3:30</b>	<b>Event Complete</b>	

# VENUE & GENERAL INFORMATION

**Supplies:** If you are a mentoring team and hopefully bringing your robot, please be sure to bring a Utility Strip, Safety Glasses, Battery Chargers (marked with Team Number) and spare parts.

**Arrival:** Please try to arrive between 8:30 and 9:00am and report to the check-in table immediately upon arrival. This will allow us to promptly match up guests with veteran teams ..and start the progress. Please call 862-432-1526 if you are going to be late or if something unforeseen happens.

**Pit Area:** The Pits will be located in the school cafeteria area. We will place Alliance Partners onto adjacent tables. There will another set of tables nearby on which can be found assorted Tetrix parts that can be shared for use on the loaner robots.

## **FIRST AID**

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

## **GENERAL CONDUCT**

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 or event organizers.

**FOOD:** There will be snacks available for arriving teams and guests. Please bring some pocket money for snacks and lunch. All prices will be very reasonable.

# DETAILED EVENT INFORMATION

**FTC Demo:** We will have information available on the official FIRST Game of 2012/2013 “Cascade Effect”. The game will be described and mentoring teams with functioning tournament bots will demonstrate some of their scoring moves.

**FTC Robot Review:** Mentoring teams will also describe their robot design and how some of its features evolved over the year, with more experience playing “Cascade Effect”

**Competition Unveiling:** In order to fully engage not only the veteran teams’ tournament bots but also the rookie teams’ loaner-bots, a modified version of “Cascade Effect” will be played. Specific game rules, point scoring, dimensions are being sent with this document. However, we’d like to address any/all questions at the event on July 25<sup>th</sup>.

**We’d really like to challenge the alliances with the details at the competition so that both teams in the alliances work together to strategize and to ready the small bot. (It is not intended for veteran teams to modify their tournament bot in any way.)**

**Competition Overview:** At the heart of the modified Game will be the basic elements of Cascade Effect (i.e., dispensing balls from the Center Goal, scoring them in Tubes and parking Rolling Goals in Scoring Areas. BUT ...the Small Bots will also play a key role in the Game ...most likely retrieving and passing additional scoring balls AND special Bonus Balls to their big brother Alliance Partner.

**It will be vital to an Alliance their Small Bot is effectively modified and driven by our rookies.**

**Robot Readiness:** It is intended that Mentoring Teams will assist their guests in preparing their Small Bot for the competition.. It is expected that our alliances will much improve upon this design. We want the guests to do the hands-on work ...with advice and counsel from our veterans. Veterans are also asked to help with simple changes to programming, as needed (in RobotC).

**Gracious Professionalism:** 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.



# Participant List

Team #	Team Name	School
3415	Lancers	Livingston HS
4102	Cougars	Columbia HS
4486	Mad Science	Madison HS
8405	Millers	Millburn HS
9244	Lenape Valley	Lenape Valley HS
9889	Siimpatico	New 2015/2016 Team
9891	Team Titanium	New 2015/2016 Team
4347	NanoGurus	New Personnel
	Warren MS Guest(s)	
	River Dell Guest (s)	

It is typical to have 4-5 Teams support an Outreach Scrimmage. As you can see, we may have more than that.

**BUT** take note, not all of the Teams above are strictly veteran team members. Some have rookies and will split off new members to build the rookie team bots.

In the end, we'd expect about 5-7 Alliances of 2 bot each.

# **PARKING & ENTRANCE**

**For Team, Guest and Volunteer Parking, we will be using the Lot by the Loading Dock.**

**It is the first driveway when approaching the school on Millburn Avenue from Morris Avenue.**

**Look for the FIRST signage that we will place to help you find the Entrance.**

**Once inside the Building, walk through the Loading Dock area and right into the Cafeteria, where you find the Pits and the 16x16 Foot Competition Field.**

**Excess Parking is available adjacent to the Gym but the preferred parking and easier load-in is at the Loading Dock, described above.**