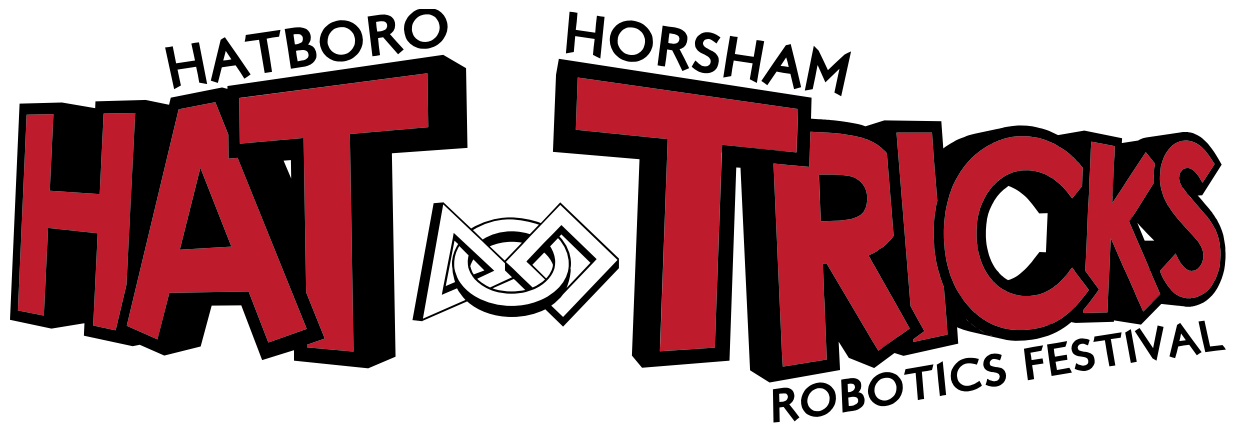


2019 Event Packet  
Hatboro-Horsham FLL Qualifier





## Welcome

Welcome to the Hatboro-Horsham FLL Qualifier and the Fourth Annual HaTTricks Robotics Festival!!!

We will be having a triple FIRST Event on December 14th, which will include FIRST Lego League Junior, FIRST Lego League and FIRST Tech Challenge teams in an event we like to call HaTTricks. Three of the four FIRST Robotics programs under one roof, all in one day!

This is a great opportunity for students and adults to see the evolution of the FIRST Programs. Additionally, there will be a static display of our High School's 2019 FIRST Robotics competition robot!

We anticipate just over 1000 attendees on Saturday, including:

*10 FIRST Lego League Junior Teams*

*36 FIRST Lego League Teams*

*30 FIRST Tech Challenge Teams.*

## Location

Hatboro-Horsham Senior High School  
899 Horsham Road  
Horsham, PA 19044

We are looking forward to a great event and are excited to see you all this Saturday!!! If you have any questions, comments or concerns please don't hesitate to reach out. The best contact address is [Hattricks@team708.org](mailto:Hattricks@team708.org) which will email the event committee.

## Lunch Pre-Orders

We will be sending a lunch pre-order link to the primary team contacts on Friday December 5<sup>th</sup>, 2019.

### Items that can be pre-ordered:

Pizza (Whole Cheese Pizza)	\$16.00
Hot Dog	\$ 2.00
Mac N Cheese	\$ 3.00
Walking Taco	\$ 3.00
Soft Pretzel	\$ 1.00
Water	\$ 1.00
Gatorade	\$ 1.00
Propel	\$ 1.00
Soda	\$ 1.00





## Hatboro-Horsham HaTTricks Venue Rules

**1. Bring your Gracious Professionalism!!!!**

**2. Outside food is not permitted in the venue.**

Exceptions are made for religious or allergy concerns only.

Individuals / teams ordering delivery is PROHIBITED

This has been a problem at prior events and cause a significant stress on relationships with the Horsham Community when deliveries cannot be found or completed.

**3. No Loud noise makers**

Including bull horns, slap sticks, fog horns, live bands, loud radios, etc...

**4. No Food or Drinks permitted in the Gyms**

Only Water is permissible in either of the gyms

**5. Leave No Trace**

Please ensure that anything brought into the venue will not mark/scuff the floors. We will provide a table which will have rubber feet to ensure that we don't mark up the floors.

At the end of the event it would be extremely helpful if teams clean up their trash and place it in one of the trashcans in the pits/gyms/cafeteria.

**6. Please encourage your students to stay in the FIRST Robotics "Universe" and not to wander the building!**

Doors between wings in our building lock automatically unless they are in the FIRST "Universe" on competition day. Please be sure not to go past any signs indicating "This is the End of the FIRST "Universe"

**7. HAVE FUN!!!**





## Event Schedule

### FIRST Lego League Junior

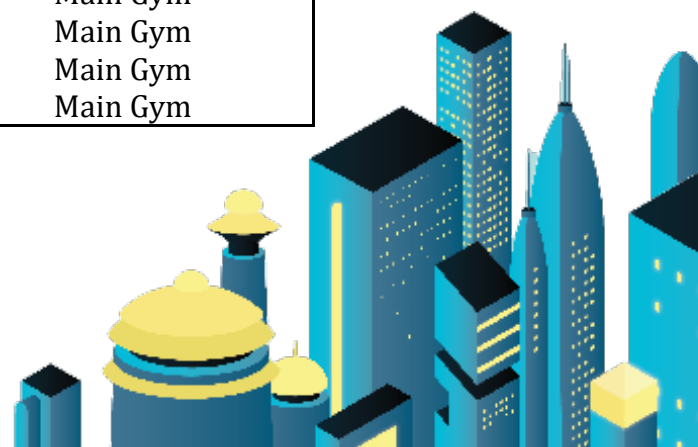
FLL Jr. Schedule		
Time	Description	Location
9:30 AM	Team Check-In	Front Entrance
10:00 AM	Team Demonstrations	Front Hallway
11:30 AM	Team Demonstrations	Front Hallway
11:45 AM	Team Celebration	Main Gym
12:00 PM	FLL JR. Competition Ends	

### FIRST Lego League

FLL Schedule		
Time	Description	Location
7:00 AM	Volunteers Arrive and Check-in	Front Entrance
8:00 AM	Team Registration	Front Entrance
8:30 AM	Competition Meeting (Coaches)	Main Gym
9:00 AM	Opening Ceremony	
9:30 AM	Judging Starts	Various
12:30 PM	Lunch	Cafeteria
1:15 PM	Robot Matches Begin	Main Gym
5:00 PM	Awards and Closing Ceremonies	
5:30 PM	Event Complete	

### FIRST Tech Challenge

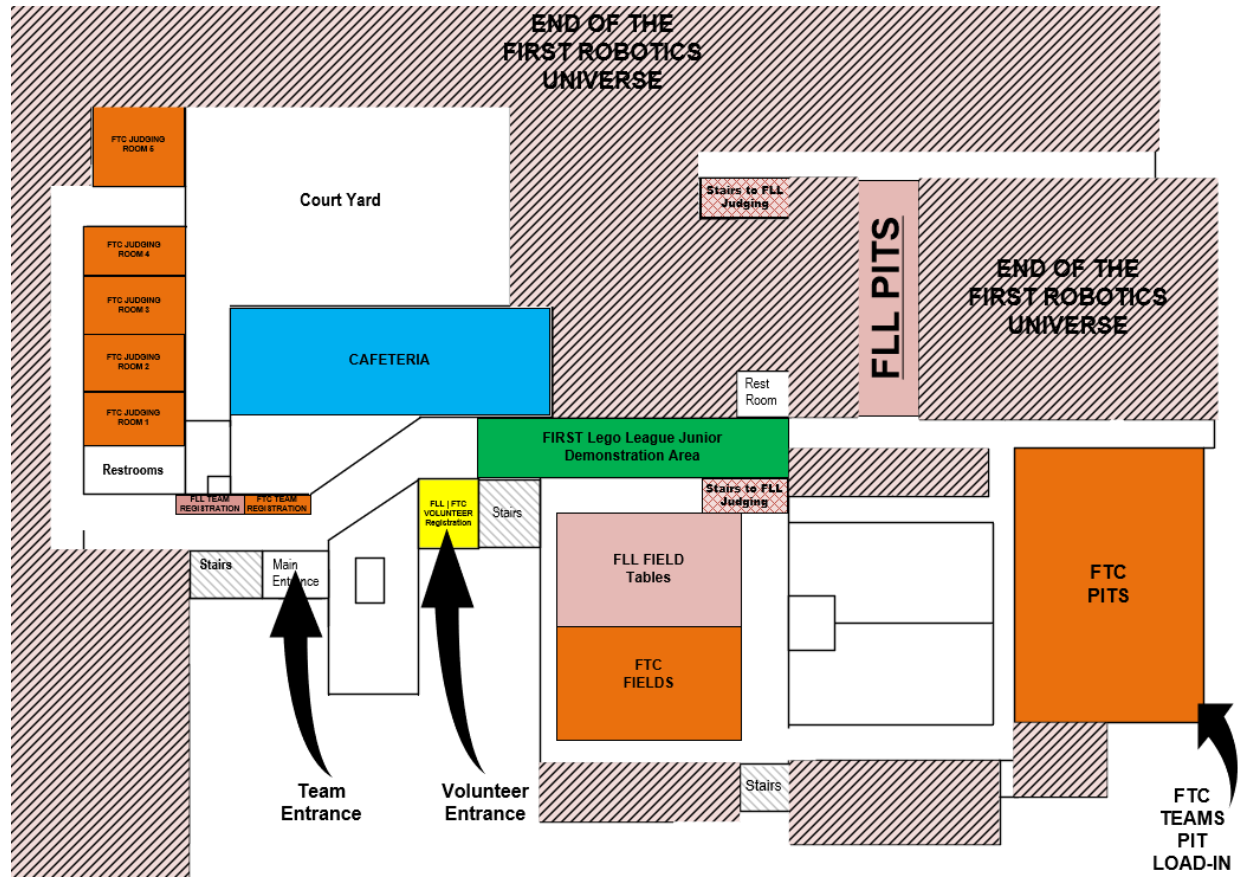
FTC Team Schedule		
Time	Description	Location
7:00 AM	Volunteers Arrive and Check-in	Front Entrance
7:45 AM	Teams Arrive and Check-in	Front Entrance
	Robot and Field Inspection Begins	Pit Gym
8:20 AM	Judge Interviews Begin	B-Wing 1st Floor
10:15 AM	Robot and Field Inspection Ends	Main Gym
10:30 AM	Drivers Meeting - Competition Field	Main Gym
10:45 AM	Queue First 2 Matches	Main Gym
11:00 AM	Opening Ceremonies	Main Gym
11:15 AM	Qualification Matches Begin	Main Gym
12:30 PM	Lunch Break	Cafeteria
1:00 PM	Qualification Matches Resume	Main Gym
3:15 PM	Semifinals	Main Gym
4:15 PM	Finals	Main Gym
5:00 PM	Awards and Closing Ceremonies	Main Gym
5:30 PM	Event Complete	Main Gym



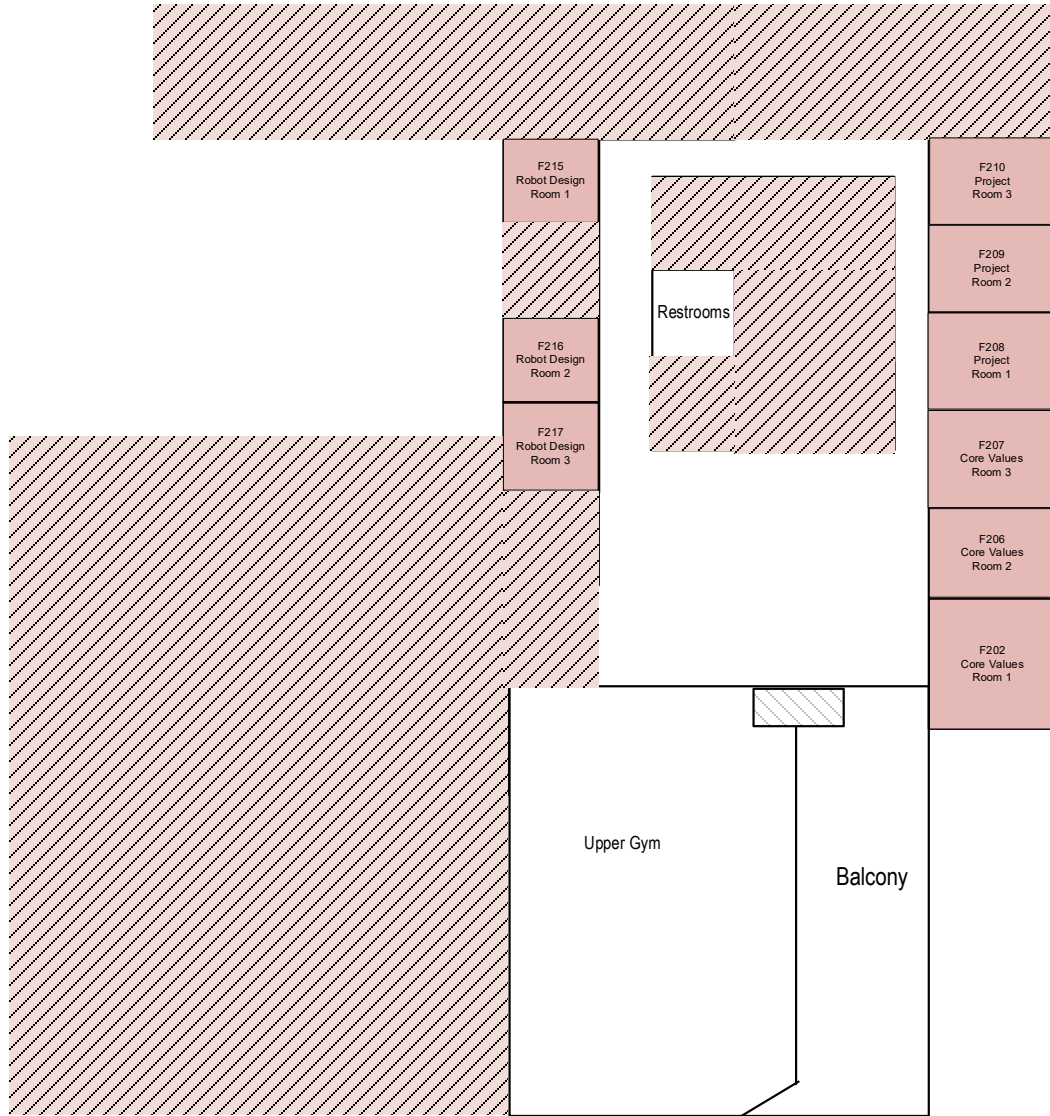
# Hatboro-Horsham Senior High School – HaTTricks Robotics Festival

## FLOOR PLAN – 1st FLOOR

(Robotics Competition | FLL Jr. Expo | Cafeteria | PIT Spaces | FTC Judging)



## FLOOR PLAN – 2nd FLOOR (FLL Judging)





## FIRST Lego League Jr. Team List

<b>Team Number</b>	<b>Team Name</b>	<b>Organization</b>
9695	Crooked Billet-Hallowell Robo Hatters Jr.	Hallowell Elementary School
10315	Blair Mill Robo Hatters Jr. -Red	Blair Mill Elementary School
11137	Pennypack Robo Hatters Jr.	Pennypack Elementary School
11138	Blair Mill Robo Hatters Jr. - Black	Blair Mill Elementary School
11445	LC Robotics Boom Town Boomers	Lansdale Catholic High School
11446	LC Robotics Golden Shark Blockers	Lansdale Catholic High School
11447	LC Robotics Super Flash Speed	Lansdale Catholic High School
11449	LC Robotics Paiges- Black No team 2018/19	Lansdale Catholic High School
15189	Unique Unicorns	Family/Community
18566	Junior Bots	Family/Community
18872	Techbots	Family/Community
19502	Small Heroes	KleinLife
21169	City Jedy	Family/Community





## FIRST Lego League Team List

Team Number	Team Name	Organization
3445	Apollo Agents	East Vincent Elementary School
3447	GaliLegos	East Vincent Elementary School
4403	KVMS Robo Hatters - Black	Keith Valley Middle School
4404	KVMS Robo Hatters - Red	Keith Valley Middle School
4405	KVMS Robo Hatters - Gray	Keith Valley Middle School
11113	KVMS Robo Hatters - White	Keith Valley Middle School
15039	The Blockheads	YMCA
16216	Lego Vikings	Archbishop Wood High School
16894	Simmons Robo Hatters	Simmons Elementary School
16895	Blair Mill Robo Hatters	Blair Mill Elementary School
17371	Robo-Techs	Fred S Engle Middle School
17372	City Gears	Fred S Engle Middle School
19916	MYC FLL 1	Media Youth Center
24446	TBD	Upper Moreland Middle School
25391	Robust Minds Robotics	Home School
25491	Sky Walkers	Charles F Patton Middle School
27230	Pennypack Robo Hatters	Pennypack Elementary School
27701	Crooked Billet-Hallowell Robo Hatters - Black	Hallowell Elementary School
28773	Electric Wolves	Family/Community
31340	Crooked Billet-Hallowell RoboHatters- Red	Hallowell Elementary School
31341	KVMS Robo Hatters - Yellow	Keith Valley Middle School
31342	KVMS Robo Hatters - Blue	Keith Valley Middle School
31553	Corpus Creators	Corpus Christi School
32381	LC Robotics Golden Guys	Lansdale Catholic High School
32382	LC Robotics Flaming Flamingos	Lansdale Catholic High School
32383	LC Robotics Creative Community	Lansdale Catholic High School
32387	LC Robotics Urban Legends	Lansdale Catholic High School
32388	LC Robotics All Glitter No Litter	Lansdale Catholic High School
34904	Thunderbolts	HXGV Chinese school
40251	Band of Builders	Corpus Christi Catholic School
43636	Klinger Klippers Black	Klinger Middle School
45263	Warwick	Warwick Elementary School
47916	Log College Colonials	Log College Middle School
47917	Klinger Klippers Red	Klinger Middle School
48750	Simmons Robo Hatters	Simmons Elementary School
48825	Eyer Middle School	Eyer Middle School





## FIRST Tech Challenge Team List

Team Number	Team Name	Organization
61	Ozone	Oxford Robotics
118	Steel Hornets	Emmaus High School
3795	JagWired	Garnet Valley High School
4185	Silver Soldiers	Owen J. Roberts High School
4914	SCH FTC Robotics	Springside Chestnut Hill Academy
5440	Blazin' Circuits	Garnet Valley High School
6045	TwoBar	Oxford Robotics
6964	Igutech	Neighborhood Team
7244	OUT of the BOX Robotics	OUT of the BOX Robotics
7416	Silver Spartans	Owen J. Roberts High School
8884	RoboPanthers	Strath Haven Middle School
9242	GearHounds	York Country Day School
9618	CyberSpartans	Springfield Township High School
9791	Divide By Zero	Family and Friends
9872	(In)Formal Logic	Covenant Christian Academy
9997	Wolf Pack Robotics	AIM Academy
10333	TechSpark	TechFire Robotics of York
11208	Kardia Robotics	Kardia Learning Center
11319	Voyager	La Salle College High School
11349	VorTech	School District of Lancaster - McCaskey Robotics
11540	Pathfinder	La Salle Robotics
11672	Hatters Robotics - Red	Keith Valley MS / Hatboro-Horsham HS
11673	Hatters Robotics - Black	Keith Valley MS / Hatboro-Horsham HS
11830	rarBots	Red Lion Senior High
14130	To Be Determined	Private
14133	Cyber Crusaders	Lansdale Catholic High School
14354	Inconceivable Robotics	Inconceivable Robotics, Inc.
16087	Klinger Klippers	Klinger Middle School
16330	Javengers	PACAR
17388	Red Tornadoes	McCaskey Robotics

