



Bensalem District Event
- Team Guide -

CRESCENDOSM

PRESENTED BY **HAS**
Gene Haas Foundation

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For more information, please visit www.team5401.org/fmaben

WELCOME TO THE BENSALEM DISTRICT EVENT!

Greetings from the Bensalem Township School District and the FIRST Mid-Atlantic Region Event Planning Committee and welcome to the home of the Fightin' Robotic Owls in beautiful Bensalem, Pennsylvania!

The township of Bensalem, located on the southwestern tip of Bucks County, is known as the "Gateway to Bucks County." The township, which was founded in 1692, is almost as old as Pennsylvania itself, which was founded in 1682. Benjamin Franklin would often travel to Bensalem to visit his friend, Joseph Galloway, at Growden Mansion. The modern-day township, which encompasses just under 50 square miles, is the largest municipality in Bucks County. Bensalem offers a bustling economy and diverse population, a stunning state park on the banks of the Delaware River, and plenty of urban attractions from gambling and horse-racing at the Parx Casino and Racetrack to attending concerts at the TD Bank Amphitheater. These are just a sampling of the many reasons why Bensalem was listed as #46 on Money Magazine's 2014 "Best Places To Live."

The FIRST Mid-Atlantic District Event Committee welcomes everyone to our newly renovated Bensalem High School. Good luck to all participating teams! Please use this guide as a reference for our competition; it is full of helpful information that will assist your team as you plan for this event. If you have any questions, please reach out to us using the contact information listing in this brochure.

This guide will outline the information you may need if attending the competition but in case your questions are not answered, please contact your respective leadership:

Kevin McKay	Event Co-Coordinator	kevinjosephmckay@gmail.com
Katherine Matveykina	Event Co-Coordinator	kmatveykina@gmail.com
Cooper Smith	Event Manager	csmith@hatboro-horsham.org
James Kane	Volunteer Coordinator	jamesbkaneiv@gmail.com

VENUE RULES AND REGULATIONS:

Please:

- Do not bring outside food into the venue
(Exceptions for students/mentors with dietary requirements)
- Do not take food into the Gymnasium
- Do not use noisy devices, such as whistles, clap sticks or air horns
- Do not save seats, It is not fair to other teams or to public guests we hope to interest as volunteers, sponsors or participants
- Do not run in the venue
- Wear safety glasses in designated areas

INTERNET CONNECTIVITY INFORMATION

Free public wifi will be available at this event, please note that some websites may be blocked by the school district firewall. However, Youtube, GitHub, OnShape, Google Drive, and other popular FRC sites will be unblocked.

Credentials:

SSID – robotics

PW – r0b0t1c\$2024

MACHINING SERVICES AVAILABLE

Limited milling and turning will be available to teams on a first come, first served basis. Drawings and material must be provided. Inquiries should be directed to Pit admin.

SENSORY BAG INFORMATION

More information available at: <http://team5401.org/sensory-bags/>

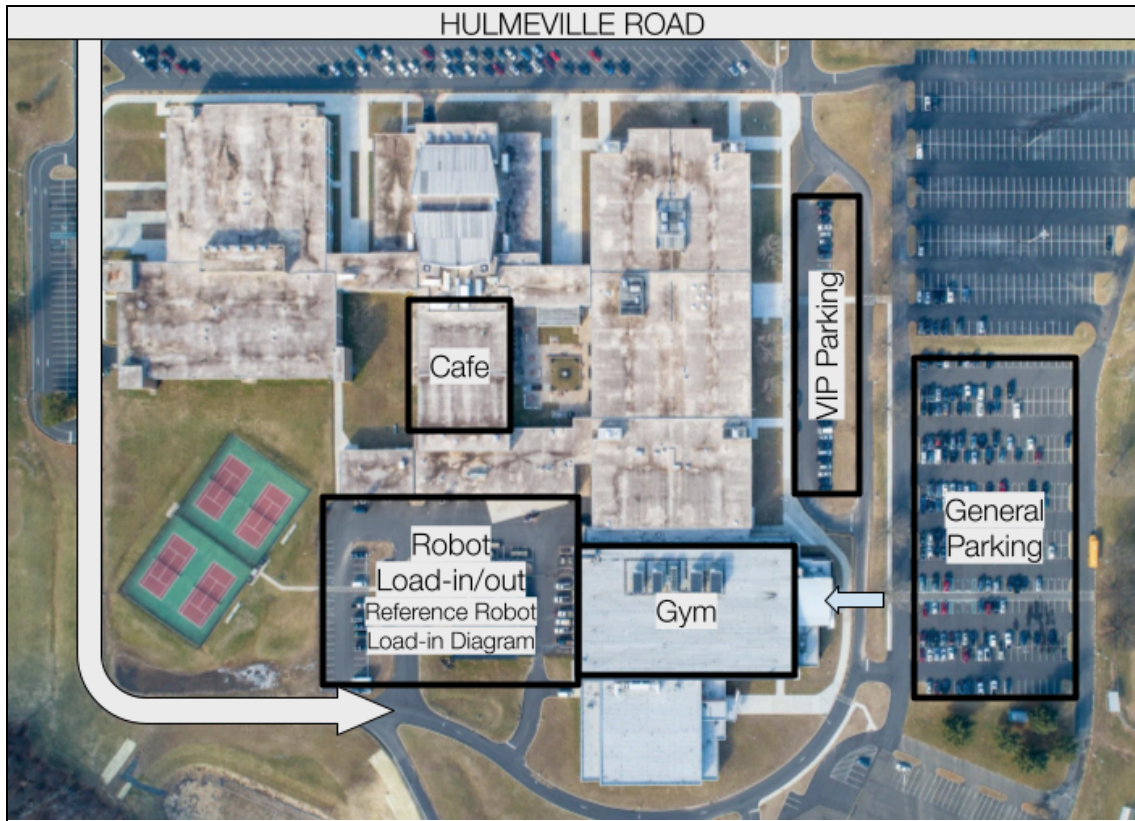
At our district event, we provide sanitized sensory bags for those who feel overwhelmed at competitions. They're free and available at our ticket booth across from the main lobby snack stand. When you check them out the bags come with multiple fidgets to calm anxiety and stress symptoms that come with going to competitions. As a team, our main goal is to give people a safe place which is why we also have a Quiet Room available. The Quiet Room is located in our school audion where those who feel overwhelmed can come to a place to cool down.



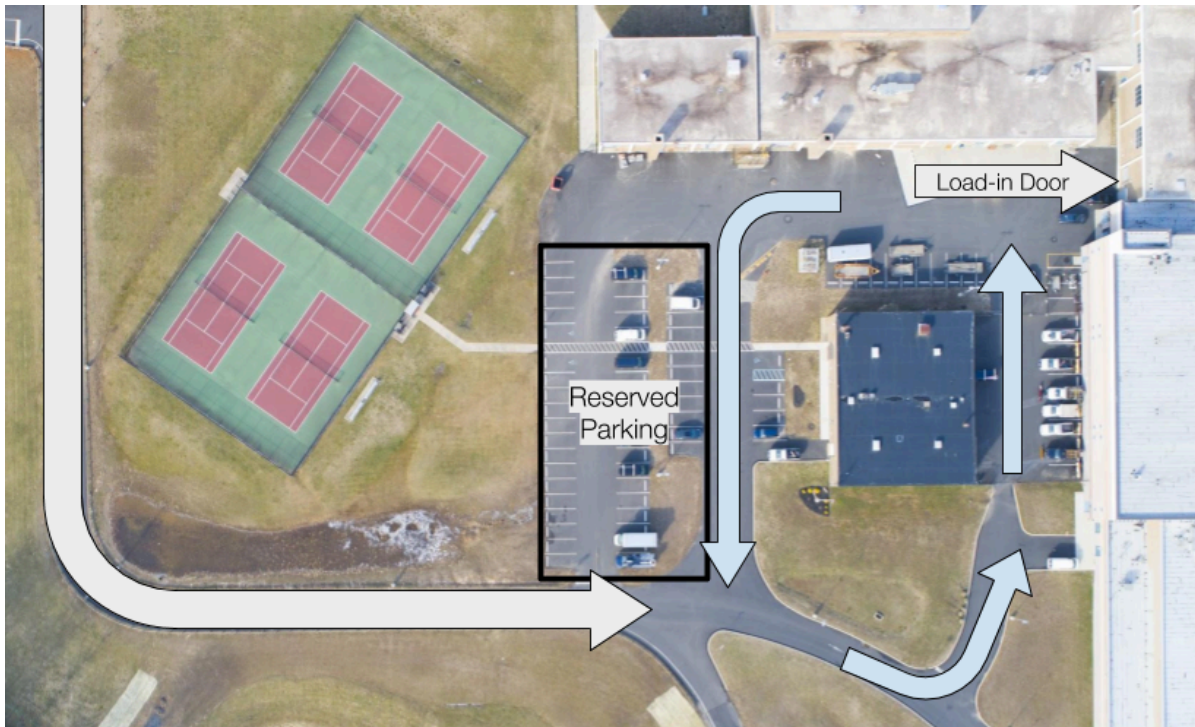
TEAM LIST.

87	Diablo	Mount Holly, New Jersey
103	Cybersonics	Kintnerville, Pennsylvania
203	SOUPERBOTS	Sicklerville, New Jersey
272	Cyber Crusaders	Lansdale, Pennsylvania
316	LUNATECS 316	Carneys Point, New Jersey
321	RoboLancers	Philadelphia, Pennsylvania
427	LANCE-A-LOT	Philadelphia, Pennsylvania
484	Roboforce	Havertown, Pennsylvania
486	Positronic Panthers	Wallingford, Pennsylvania
1640	Sab-BOT-age	Downingtown, Pennsylvania
1647	Iron Devils	Vincentown, New Jersey
1712	Dawgma	Ardmore, Pennsylvania
2016	Mighty Monkey Wrenches	Ewing, New Jersey
2180	Zero Gravity	Hamilton, New Jersey
2554	The WarHawks	Edison, New Jersey
2559	Normality Zero	Harrisburg, Pennsylvania
2720	Red Watch Robotics	Medford, New Jersey
2722	Charge Robotics	Marlton, New Jersey
3314	Mechanical Mustangs	Clifton, New Jersey
4373	RooBotics	Jenkintown, Pennsylvania
4575	Gemini	Media, Pennsylvania
4750	Bert	Pennsauken, New Jersey
5401	Fightin' Robotic Owls	Bensalem, Pennsylvania
5490	The Dark Byte	Bethlehem, Pennsylvania
5666	Purple Lightning	Trenton, New Jersey
5895	Peddle Robotics	Hightstown, New Jersey
6226	Blue Devils	Burlington, New Jersey
6921	Technados	Pennsauken, New Jersey
7414	RetroRobotics	Collegeville, Pennsylvania
7587	Metuchen Momentum	Metuchen, New Jersey
8714	Robo Griffins'	Toms River, New Jersey
9015	Questionable Engineering	Jersey City, New Jersey
9027	PATH to Domination	Norristown, Pennsylvania
9100	Robo Roses	Belmar, New Jersey
9416	I.e.W.A	Philadelphia, New Jersey

OUTDOOR MAPS

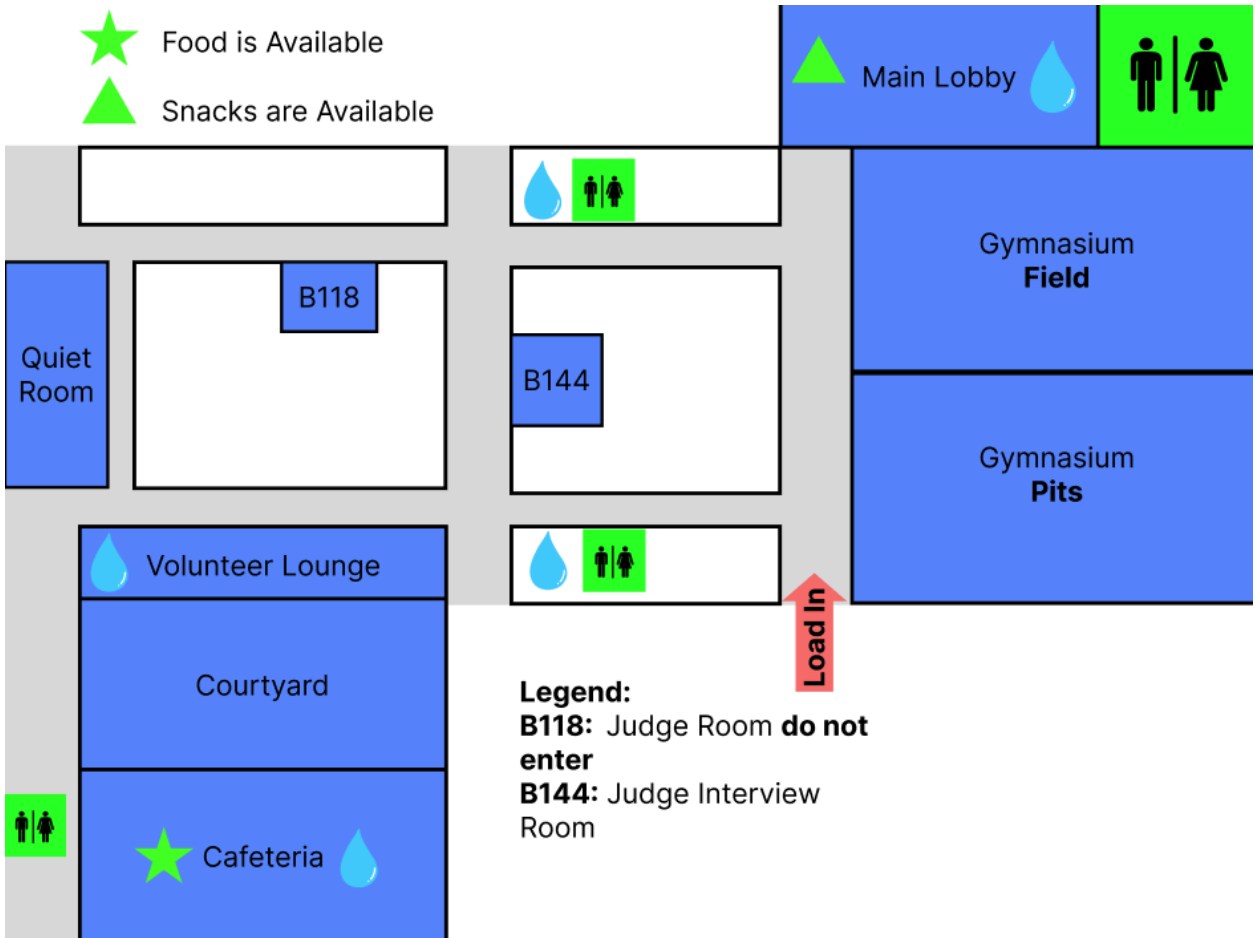


Robot Load-in Diagram Below:





INDOOR MAP



PIT MAP

To the Field

87	7587	203	2720	316	321	427	9416	486
4373	6226	2722	272	9027	2554	5490	2016	1712

4575	4750	2180	5666	5895	484	6921	9015	
5401	1640	2559	3314	7414	103	8714	1647	9100

Practice Field



Pit Admin

EMT

Robot
Inspection

EVENT SCHEDULE

FRIDAY MARCH 22ND

4:00 PM	Pits Open to Teams
5:30 - 6:30 PM	Field Measurement & Calibration (if competition field is available)
6:00 PM	Robot Inspection Open
6:30 - 9:00 PM	Field Test Matches for fully inspected robots; Limit of 3 matches per team
9:00 - 9:45 PM	Off-field Robot Connectivity Tests Begin; All teams that are not fully inspected must report to the field for robot connectivity tests.
10:00 PM	Pits Closed to Teams

SATURDAY MARCH 23RD

8:00 AM	Pits & Arena Seating Open to Teams; Machine Shop open (if available)
8:30 - 10:15 AM	Practice Matches Begin
10:15 AM	On-field Driver's Meeting Begins
10:30 AM	Opening Ceremonies
11:00 AM	Qualification Matches Begin
1:00 - 2:00 PM	Field Break
2:00 - 6:30 PM	Qualification Matches
7:00 PM	Pits, Machine Shop & Arena Seating Closed to Teams Pits & Arena will remain open until 7 PM or 30 minutes after the conclusion of the last match

SUNDAY MARCH 24RD

8:00 AM	Pits & Arena Seating Open to Teams; Machine Shop open (if available)
8:30 AM	Optional Driver's Meeting if required by the Head Referee
9:00 AM	Opening Ceremonies
9:30 - 12:30 PM	Qualification Matches
12:30 - 1:00 PM	Alliance Selections Alliance Selections will begin 15 minutes after the last qualifying match
1:00 - 2:00 PM	Field Break
2:00 - 5:00 PM	Elimination Rounds
5:00 PM	Awards Ceremony
6:30 PM	Pits, Machine Shop & Arena Seating Closed to Teams Pits & Arena will close 30 minutes after the Awards Ceremony

PRE-ORDER LUNCH FORMS

For your convenience, we will be offering Pre-Orders for Friday, Saturday, and Sunday. Please submit your pre-orders by end of day March 19.

Pre-Orders: <https://forms.gle/erjtyDurgDry3bc7>

