



Raider Robotix Parent & Mentor Association, Inc.
PO Box 7525
North Brunswick, NJ 08902
EIN: 46-2916332

**High school robotics teams set to play in the
nation's largest one-day *FIRST* off-season robotics event October 26
~ Event is free and open to the public ~**

2024-10-10 North Brunswick, NJ Thirty-six high school teams will meet to compete during the annual Brunswick Eruption robotics event, hosted by the North Brunswick Township High School's robotics team, Team 25-Raider Robotix, on Saturday, October 26. In its 22nd year, Brunswick Eruption will have high school-aged teams from around the New Jersey/Pennsylvania/metro New York region play the *FIRST* Robotics game *CRESCENDO*SM, the game challenge from the *FIRST* Robotics Competition 2024 season. The Raider Robotix team will also be collecting food items for the North Brunswick Food Pantry, and the public and participating robotics teams are encouraged to bring non-perishable food items.

During *FIRST* Robotics Competitions (FRC), large scale robots, each weighing approximately 130 pounds, are designed, built, and controlled by high-school students to play on a large gymnasium-sized field. In this event, *CRESCENDO*SM will be played with two alliances comprising three robots each. Teams only have two and a half minutes to battle the other alliance and race to place rings representing "notes" into a "speaker" and "amp" for points by picking up and shooting the ring. At the last few seconds of the match, robots will try to hang on a platform "stage" for more points. Each team will participate in qualification matches for which the alliances are algorithmically scheduled and varied from match to match. Teams are then ranked based on their qualification round performances. The top eight seeded teams will draft a permanent alliance and then compete in a round robin elimination playoff tournament.

Admission to this exciting event is free to the public and doors open at 8:00 AM for spectators. The game will be played at the North Brunswick Township High School, 98 Raider Road, North Brunswick, NJ. Opening ceremonies will begin around 8:30 AM. Please bring safety glasses in order to tour the pit area to see the robots up close and speak to the teams. Spectators can stay all day as a cash-only food concession will be available and will feature reasonably-priced and delicious entrees and beverages.

If you can't attend this competition in person, this event and other robotics events can usually be viewed live online at <https://thebluealliance.com>.

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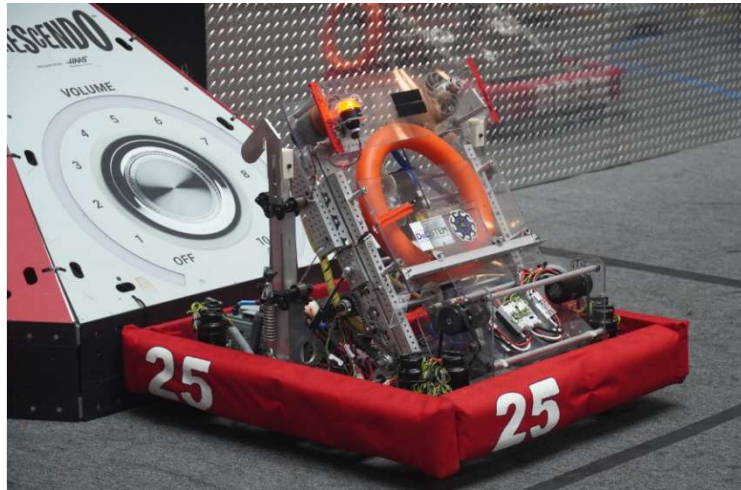
Please contact Karen Ramsden-Zahler at 908-902-8548 or karen@zahler.com for more information.

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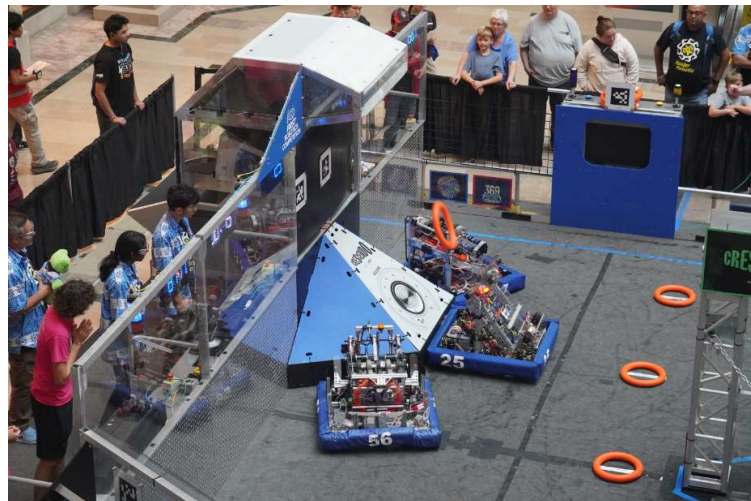


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**FRC Team 25-Raider Robotix's
2024 robot**



**At RoboConNJ, a local off-season
event that was held September 28
& 29 at the Bridgewater Mall in
New Jersey, FRC Team 25's robot
shoots a note into the Amp on the
playing field during the
competition.**



All photographs are courtesy of FRC Team 25-Raider Robotix Mentor Karen Ramsden-Zahler.

More about FRC Team 25 - Raider Robotix: Founded in 1996 at North Brunswick Township High School, NJ, this team has been a two-time world champion during the *FIRST* Robotics Competition (FRC) in 2000 and 2012. FRC Team 25 has competed in District and Regional matches and has traveled to the *FIRST* World Championships nearly every year since its founding. Raider Robotix is comprised of NBTHS students and mentored by adult volunteers. This highly competitive FRC championship-winning team also participated in the Macy's Thanksgiving Day Parade in 2013 and has been featured on television, in books, and news articles. For the upcoming 2025 competition season, Raider Robotix has secured sponsorship from Bristol-Myers Squibb, Picatinny Arsenal-US Department of Defense, L3Harris, Coca-Cola, Adams Athletic Club, North Brunswick Township Schools and the Raider Robotix Parent & Mentor Association, Inc. The team continues with fundraising efforts and welcomes inquiries from prospective sponsors during the 2024-2025 season. For further info: www.raiderrobotix.org and www.facebook.com/RaiderRobotix.

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More about CRESCENDOSM: During the 2024 season, a competition that featured a musical-themed game, **CRESCENDOSM**, was played. Two alliances of three teams each competed in a match. In the game, each alliance competed to place note rings into various structures on the field and then finished the game on a stage by hanging from chain one or more robots. Scoring depended on number of notes placed in the amp or speaker structures and how many robots are able to hang before the game time ends. Teams were ranked based on their qualification round performance before the top eight seeds drafted a permanent alliance with which they competed in an elimination round robin playoff tournament.

The next game, **FIRST DIVESM**, will be introduced worldwide January 4, 2025 at the **FIRST** Robotics Competition (FRC) Kick-Off; locally in the Central New Jersey area, the event will be held at Montgomery Regional High School, Skillman, NJ, on January 4, 2025 and will mark the start of the 2025 FRC season. After the reveal, robotics teams worldwide will begin to plan, build and test their robots in a six week build period. Competitions begin soon after the end of build season in March 2025.

For further info: <https://www.firstinspires.org/robotics/frc/game-and-season>

More about FIRST: **FIRST (For Inspiration and Recognition of Science and Technology)** Robotics Competition will reach 90,000 high-school students representing more than 3,600 teams. Teams come from nearly every state in the United States, as well as many other countries. **FIRST** Robotics combines the excitement of sport along with the rigors of science and technology. High school student teams comprising kids ages 14-18 in grades 9-12 will build and program a robot in six weeks' time to perform prescribed tasks against a field of competitors. The teams not only will sharpen their teamwork skills, but they will raise funds and design a team "brand." Team members will come away with an experience that's as close to real-world business and engineering as a high school student can get. Over a seven-week period, these high school teams will compete as family and friends cheer them on at over 120 multi-day events worldwide. All this will lead up to the 2025 **FIRST** World Championship which will be held in Spring, 2025 in Houston, TX. Live or recorded competitions can also be watched online through thebluealliance.com. All **FIRST** events are free and open to the public.

For more info:

FIRST Mid-Atlantic District - www.midatlanticrobotics.com

FIRST - www.FIRSTinspires.org/robotics/frc www.TheBlueAlliance.com

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