



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

Robotics Teams are “Charged Up” to play in the Nation’s largest one-day *FIRST* off-season robotics event on November 11th

2023-10-20 North Brunswick, NJ Brunswick Eruption, the largest one-day *FIRST* off-season FRC robotics event in the United States, will be hosted by North Brunswick Township High School’s robotics team, Team 25-Raider Robotix. In its 21st year, the Brunswick Eruption event has approximately 40 high school-aged teams scheduled to play the exciting *FIRST* Robotics game *CHARGED UPSM*, the game challenge from the *FIRST* Robotics Competition 2023 season. In addition to the competition, Raider Robotix will also be collecting food items for the North Brunswick Food Pantry, and participating robotics teams are encouraged to bring non-perishable food items.

FIRST Robotics Competitions (FRC) feature large scale robots, each weighing approximately 130 pounds, that are designed, built, and controlled by high-school students and play on a large gymnasium-sized field. In this event, *CHARGED UPSM* 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 traffic cones and square air pillows into a “grid” for points. The robots will then finish the game trying to balance on a “charge station” platform to gain more points. Each team will participate in 7 qualification matches for which the alliances are algorithmically scheduled and varied from match to match. Teams are then ranked based on their qualification rounds performance. The top eight seeded teams will draft a permanent alliance and 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.

Raider Robotix Parent & Mentor Association, Inc. (RRPMA) is exempt from federal taxes under section 501(c)(3) of the Internal Revenue Code. Donations to the RRPMA are tax deductible to the extent allowed by law.



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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 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 2024 competition season, Raider Robotix has secured sponsorship from Neil Parikh & Rita Parikh, 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 2023-2024 season. For further info: www.facebook.com/RaiderRobotix (www.raiderrobotix.org is under construction, but will be back up soon!)

More about CHARGED UPSM: During the 2023 season, a competition that featured an energy-themed game, **CHARGED UPSM**, was played. Two alliances of three teams each competed in a match. In the game, each alliance competed to place traffic cones and square air cubes onto a "grid" and then finished the game by balancing on a platform with one or more robots. Scoring depended on how many cones or cubes are placed onto the grid and how many robots are able to balance 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, **CRESCENDOSM**, will be introduced worldwide January 6, 2024 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 6, 2024 and will mark the start of the 2024 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 2024.

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 remotely at over 120 multi-day events worldwide. All this will lead up to the 2024 *FIRST* World Championship which will be held in Spring, 2024. 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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