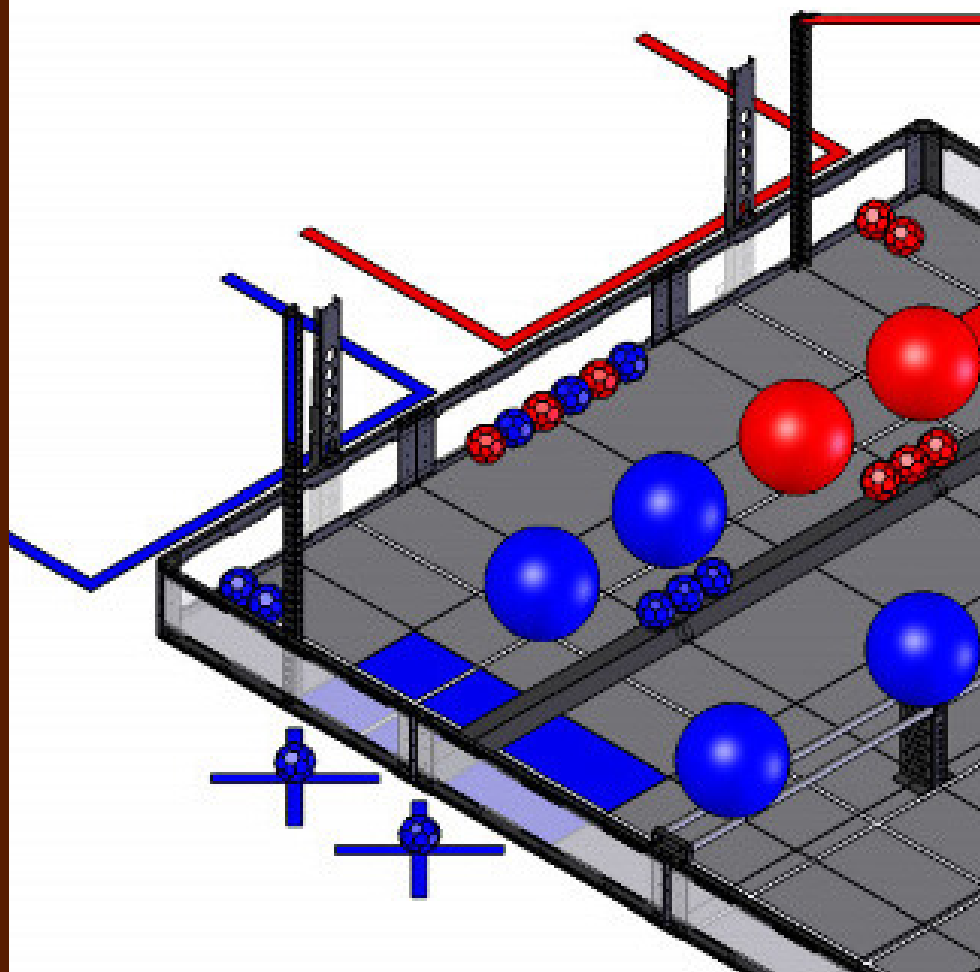


# vex<sup>®</sup>

## ROBOTICS

# COMPETITION



# Acknowledgments

**A special thanks to:**

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| Christine M. Riordan, Ph.D. .... | President                                                 |
| Gayle D. Insler, Ph.D. ....      | Provost and Senior Vice<br>President for Academic Affairs |
| Sam L. Grogg, Ph.D. ....         | Dean of Arts and Sciences                                 |
| Mary Cortina.....                | Director, Office of Research and<br>Sponsored Programs    |
| Kali Chan .....                  | Director of Media Relations                               |
| Christina Mackay .....           | Client Services Manager                                   |
| Sabita Nayak .....               | STEP/CSTEP Director                                       |
| Martha Giraldo Riordan .....     | STEP/CSTEP Associate Director                             |
| Silva Wong .....                 | STEP/CSTEP Program Coordinator                            |
| Kris Pepper .....                | Adelphi University Professor                              |
| Sakir Siddiqui .....             | Competition Facilities Coordinator                        |
| Edward Tse .....                 | Competition Logistics Coordinator                         |
| Simon Lam.....                   | Field Coordinator                                         |

An additional thanks to Adelphi University and all its staff, who have worked so hard and have generously allowed us to hold this event on their campus. Thanks to the school districts, teachers and youth organizations that have brought VEX Robotics to their children.

# SCHEDULE

|                           |                                                                                                              |
|---------------------------|--------------------------------------------------------------------------------------------------------------|
| 7:30 a.m.                 | Doors open                                                                                                   |
| 8:00 a.m.                 | Check-in (Teams arrive.)                                                                                     |
| 8:30 a.m.                 | Inspection                                                                                                   |
| 10:00 a.m.–<br>12:00 noon | Qualifying matches Part I                                                                                    |
| 12:00 p.m.–<br>1:00 p.m.  | Lunch/Welcome remarks by<br>Provost and Senior Vice President for<br>Academic Affairs Gayle D. Insler, Ph.D. |
| 1:00 p.m.–<br>3:00 p.m.   | Qualifying matches Part II                                                                                   |
| 3:00 p.m.–<br>3:30 p.m.   | Alliance pairings                                                                                            |
| 3:30 p.m.–<br>4:30 p.m.   | Semifinals/Finals                                                                                            |
| 4:30 p.m.–<br>5:00 p.m.   | Awards and closing remarks                                                                                   |

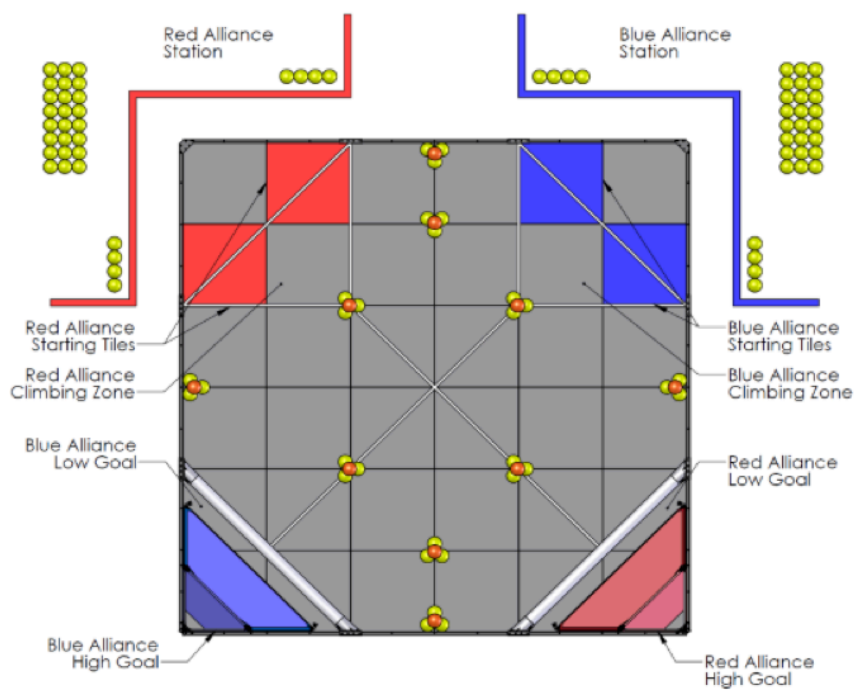
# WHAT IS VEX?

The VEX Robotics Design System offers students an exciting platform for learning about areas rich with career opportunities spanning science, technology, engineering and math (STEM). These are just a few of the many fields students can explore by creating with VEX Robotics technology. Beyond science and engineering principles, a VEX Robotics project encourages teamwork, leadership and problem solving among groups. It also allows educators to easily customize projects to meet the level of students' abilities. The affordable VEX platform is expanding rapidly and is now found in middle schools, high schools and university labs around the globe. Robotics hobbyists also appreciate the advanced capabilities of the VEX System.

## What is VEX Nothing but Net?

Played on a 12'x12' square field. Two alliances – one “red” and one “blue” – composed of two teams each, compete in matches consisting of a fifteen second autonomous period followed by one minute and forty-five seconds of driver-controlled play. The object of the game is to attain a higher score than the opposing Alliance by Scoring your Balls and Bonus Balls in your Low and High Goals, and by Elevating Robots in your Climbing Zone.

|                                                        |           |
|--------------------------------------------------------|-----------|
| Each Ball Scored in a Low Goal                         | 1 point   |
| Each Bonus Ball Scored in a Low Goal                   | 2 points  |
| Each Ball Scored in a High Goal                        | 5 points  |
| Each Bonus Ball Scored in a High Goal                  | 10 points |
| Each Robot that is Low Elevated                        | 25 points |
| Each Robot that is Low Elevated                        | 50 points |
| Alliance with the most points at the end of Autonomous | 10 points |



# PARTICIPATING TEAMS

| TEAM  | TEAM NAME          | SCHOOL/ORGANIZATION                                      |
|-------|--------------------|----------------------------------------------------------|
| 144A  | The Men in Black   | Glen Cove—The Men In Black w//L.I.R.                     |
|       |                    |                                                          |
| 144E  | Men in Black       | Lisa Pignataro—Glen Cove—Impossible Mission Force L.I.R. |
|       |                    |                                                          |
| 699E  | Kill Build         | Thomas A. Edison CTE High School                         |
|       |                    |                                                          |
| 699T  | 3MI                | Thomas A. Edison CTE High School                         |
|       |                    |                                                          |
| 699Z  | Zaptors            | Thomas A. Edison CTE High School                         |
|       |                    |                                                          |
| 1312A | ER Rockbots        | East Rockaway Schools                                    |
|       |                    |                                                          |
| 1312B | ER Rockbots        | East Rockaway Schools                                    |
|       |                    |                                                          |
| 1353A | Robodalers         | Farmingdale High School                                  |
|       |                    |                                                          |
| 1353B | Dalerbots          | Farmingdale High School                                  |
|       |                    |                                                          |
| 1353C | VEXcalibur         | Farmingdale High School                                  |
|       |                    |                                                          |
| 1607A | Roughriders        | Roosevelt High School                                    |
|       |                    |                                                          |
| 1808A | Red Devil Robotics | Freeport High School                                     |
|       |                    |                                                          |
| 1808B | Red Devil Robotics | Freeport High School                                     |
|       |                    |                                                          |
| 1905  | Blue Waves         | Riverhead Central School District                        |
|       |                    |                                                          |
| 2284A | Coquitron 2284A    | Ethicon Johnson & Johnson                                |
|       |                    |                                                          |
| 2284B | Coquitron 2284B    | Ethicon Johnson & Johnson                                |
|       |                    |                                                          |
| 2983  | Adelphi Panthers   | Adelphi University STEP Program                          |
|       |                    |                                                          |
| 2983B | Adelphi Panthers   | Adelphi University STEP Program                          |
|       |                    |                                                          |
| 2983C | Adelphi Panthers   | Adelphi University STEP Program                          |
|       |                    |                                                          |
| 5059A | FA Robo=Quakers 1  | Friends Academy                                          |
|       |                    |                                                          |
| 5059B | FA Robo=Quakers 2  | Girl Scout Troop 1887                                    |

| TEAM   | TEAM NAME                | SCHOOL/ORGANIZATION                                |
|--------|--------------------------|----------------------------------------------------|
| 6846   | BeU                      | Girl Scout Troop 1887                              |
|        |                          |                                                    |
| 8506   | STEM HS Tesla Titans     | STEM HS Academy of Applied Technology              |
|        |                          |                                                    |
| 8506B  | STEM HS Iron Giants      | STEM HS Academy of Applied Technology              |
|        |                          |                                                    |
| 9230   | Blue Dragons             | Division Avenue High School                        |
|        |                          |                                                    |
| 9250   | Robo-Hawks               | Information Technology HS                          |
|        |                          |                                                    |
| 9412M  | Lawrence HS Storm        | Lawrence High School                               |
|        |                          |                                                    |
| 9412T  | Lawrence HS Tempest      | Lawrence High School                               |
|        |                          |                                                    |
| 9458   | Robo Chiefs              | Massapequa School District                         |
|        |                          |                                                    |
| 9458C  | Robo Chiefs              | Massapequa School District                         |
|        |                          |                                                    |
| 9458D  | Robo Chiefs              | Massapequa School District                         |
|        |                          |                                                    |
| 9458E  | Robo Chiefs              | Massapequa School District                         |
|        |                          |                                                    |
| 9559   | Robocats                 | Walt Whitman High School                           |
|        |                          |                                                    |
| 9575A  | NYITCOM Warriors         | NYIT College of Osteopathic<br>Medicine STEP Grant |
|        |                          |                                                    |
| 9575B  | NYITCOM Crushers         | NYIT College of Osteopathic<br>Medicine STEP Grant |
|        |                          |                                                    |
| 9592   | SCCC                     | Suffolk County Community College                   |
|        |                          |                                                    |
| 9873   | Masters of Robotics      | The Masters School                                 |
|        |                          |                                                    |
| 9873B  | Masters of Robotics - B  | The Masters School                                 |
|        |                          |                                                    |
| 9873C  | Masters of Robotics - MS | The Masters School                                 |
|        |                          |                                                    |
| 97871  | Newfield High School     | Newfield High School                               |
|        |                          |                                                    |
| 98570A | Babylon Panthers         | Babylon UFSB                                       |
|        |                          |                                                    |
| 98570B | Babylon Panthers         | Babylon UFSB                                       |

A special thanks to all of our volunteers, who have so generously given up their Sunday to help make this a great event as judges, emcees, referees, ushers, and inspectors. This event would not be possible without the help of our volunteers and we acknowledge their valuable contribution.

## **Adelphi University, a Recognized Center of Intellectual and Creative Activity**

Adelphi University provides an academic environment that gives our students a competitive edge in today's ever-changing social and economic climate. Offering an array of cultural events and programs, our campus is vibrant with intellectual and creative activity that inspires our students. From informative lectures on relevant issues to breathtaking cultural performances at the Performing Arts Center (AUPAC), Adelphi is engaging the campus and the larger community in a dynamic dialogue.

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[academics.adelphi.edu/special-programs/science-advancement/robotics-competitions](http://academics.adelphi.edu/special-programs/science-advancement/robotics-competitions)