

# Technology Competitions and Exhibits

## VexIQ Robotics - Division 28

Superintendents: Pamela Wentworth • Marco Diez

### Entry Form accepted from October 21, 2019 to January 14, 2020.

Check In: February 27, 2020, 4:00 PM to 8:00 PM in Arnold Hall.  
February 29, 2020, 10:00 AM to 4:00 PM in Arnold Hall.

Check Out: April 9, 2020, 4:00 PM to 8:00 PM in Arnold Hall.

Group Entries: Accepted, must use appropriate form.

### Competition Date:

Elementary Division- March 21, 2020 – 1:00 pm to 5:00 pm in Arnold Hall

Middle School Division – March 14, 2019 – 1:00 pm to 5:00 pm in Arnold Hall

### Class Number and Title:

Class 2801 - VexIQ Robotics: Elementary Division by Students in Grades 3 - 5

Class 2802 - VexIQ Robotics: Middle School Division by Students in Grades 6 - 8

For the VEXIQ Robotics category, teams must be previously registered with VEX at <https://www.robotevents.com/auth/register>, have an active VEXIQ team number and must follow the game rules for the current season, found at <https://www.vexrobotics.com/vexiq/competition/viqc-current-game>. Teams of up to 10 students may compete. A total of 24 teams will be selected to participate in each division. Each school may only register one team of students, except K-8 centers, who may register one team in each division. In addition, in order to be allowed to compete, each team must submit a STEAM Project Notebook and Video to the Youth Fair by the arrival date specified above. STEM Project Notebooks and Videos will be judged prior to the VexIQ Challenge and will be returned to the team on the day of competition. Three fields will be provided with the Challenge already set up. On the day of the competition, teams must arrive by 1:00 pm with their inspection-ready robot and be ready to receive the schedule of matches.

### Rules:

1. Grade Levels: Students in grades 3-5 are eligible to enter the VEXIQ Robotics Elementary Division and students in grades 6-8 are eligible to enter VEXIQ Robotics Middle School Division. A team that is mixed between grade 3-8 will enter the Middle School Division.
2. Number of Entries: Only 1 team is allowed per school except for K-8 Centers which may enter one team per division.
3. Requirements for Entries: VexIQ current Challenge with Robot C for VEX used to program the robot to complete the challenge published for the season.
4. STEM Project Notebook and Video must be turned in on the day of the scheduled arrivals.

- a. In the STEM Project Notebook, the team of students must explain the project, including the question and solution chosen, and include research, evidence, testing and conclusions.
  - b. The video must be a maximum of 4 minutes in length, be edited appropriately, and show evidence of sharing their project with others.
5. Submission of Entries: All STEM Project Notebooks must be turned in a 3-ring binder, clearly labeled with the name of school, name of team, name of each student on the team, and name of sponsoring teacher. The video must be turned in on a jump drive that is labeled clearly or shared on YouTube according to VEX instructions.
6. Each team must design and make a banner according to the MDCPS Banner Guidelines. The banner will be turned in on the Fair intake day along with the binder and the video.
7. Detailed information will be provided to the team coach when the team is accepted for competition.
8. For more information, please contact Pamela Wentworth at Pwent84@gmail.com.

ANY ENTRIES NOT CONFORMING TO THE ABOVE RULES OR THE OFFICIAL FAIR RULES WILL BE DISQUALIFIED AT THE DISCRETION OF THE JUDGES AT CHECK IN.

This Division will accept only those entries made expressly for the 2020 Fair. All decisions of the judges are final. The Fair management has jurisdiction over interpretation of these rules. Items entered in the wrong Division will not be judged nor shown. This Division is not responsible for lost/damaged items.

All exhibits not picked up at check-out will be disposed of and cash awards and ribbons are forfeited.

### **Premiums, Plaques and Trophies:**

Awarded to each participating exhibitor.

Overall Champion .....	\$10.00 and School Trophy
Overall Runner Up .....	10.00 and School Trophy
Best Robot Performance .....	10.00 and School Trophy
Best STEM Project .....	10.00 and School Trophy
Best Sportsmanship .....	10.00 and School Trophy

Blue Ribbon .....	\$8.00
Red Ribbon .....	6.00
White Ribbon .....	4.00
Yellow Ribbon.....	Ribbon Only

If there are no entries meeting the quality standards for any special awards, no award will be given.