

Nevada STEM Advisory Council List of Recommended STEM Programs

NAME: REC Foundation VEX IQ Robotics Competition

- **A brief description or overview of the program, such as your mission, philosophy, type of program, learning outcomes, etc. (125 words or less).**

The VEX IQ Robotics Competition (VIQRC) provides elementary and middle school students with exciting, open-ended robotics challenges that enhance their science, technology, engineering, mathematics (STEM), and computer science skills through hands-on, student-centered learning. Students build their robots using easy, snap together kits that result in fully functional, competition ready robots that can be controlled autonomously or via a video-game-like controller. Competition is collaborative, fast, and fun. During the 2022-2023 competition season, typically composed of 4-5 students, participated in VIQRC events. The best teams are offered a spot at the VEX Robotics World Championship each spring.

- **The target grades of the program.**

Elementary and middle school students

- **A single sentence outlining the unique or specific focus of your program.**

An exciting robotics engineering challenge presented in the form of a game, where students build innovative robots to compete with peers.

- **A single sentence describing the program's impact on students.**

Classroom STEM concepts are put to the test as participants learn lifelong skills in teamwork, leadership, communications, and more.

- **A list of the specific skills students could expect to learn from your program.**

Engineering, teamwork, problem solving, communication, leadership

- **A brief (50 words or less) description of resources that are provided to educators.**

Team support staff, event support staff, libraries of free curriculum, professional development, community, possible grant funding

- **The link to your website for more information about your program.**

<https://viqrc-kb.recf.org/hc/en-us?viqrc>

- **Contact information (name, email, phone)**

Bill Cahill - Team Engagement Manager - bill_cahill@recf.org - 747-767-4539

Heather Harris - Event Engagement Manager - heather_harris@recf.org - 801-823-5282