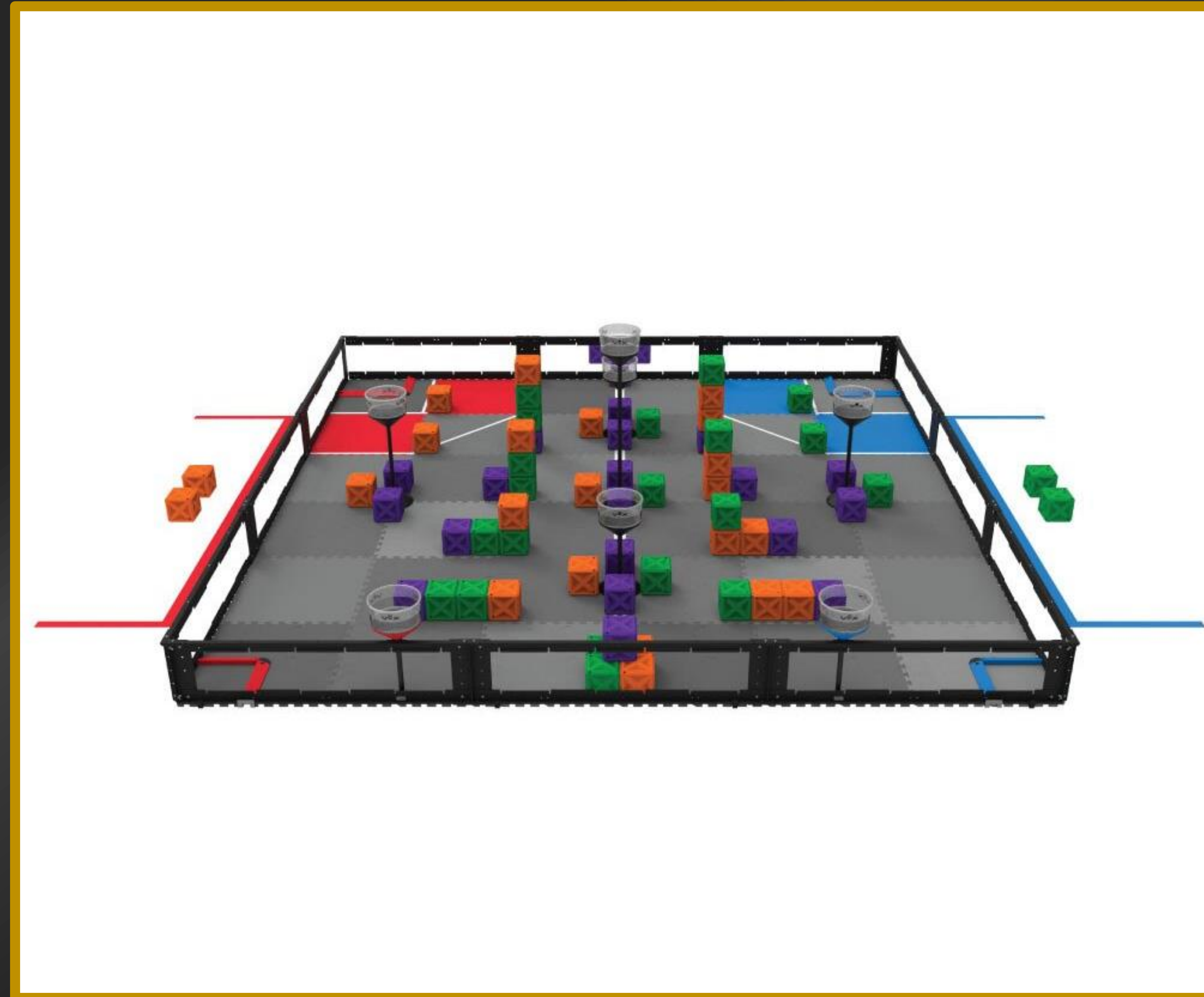


The VEX Robotics Club at Embry-Riddle Aeronautical University, Competition of 2019-2020



The Competition Course:



Match Specific Details

- Two Minute Match Duration:
 - 45 Second Autonomous Period
 - 75 Second Driver Controlled Period
- 12" x 12" foam tile course
- Two teams on the course at a time:
 - Red Team
 - Blue Team
- Each Team is allowed two robots:
 - 15" x 15" x 15" robot
 - 24" x 24" x 24" robot
- Scoring:
 - Purple, Green, and Orange Cubes can be stacked and placed into scoring zones in each corner
 - Cubes may be placed in towers to increase the point value of scored cubes

Club Officers (Left to right):

- Vice President/Treasurer
 - Jeffrey Ryan
- Blue Team Manager
 - Sierra Wong
- Gold Team Manager
 - Elizabeth Geiger
- President:
 - Kyle Lutterman

Note:

All Officers are enrolled in the Aerospace Engineering Department, College of Engineering

Club Mentor:

- Dr. Joel Schipper
Computer, Electrical, and Software Engineering Department, College of Engineering

Sourced from:
"VRC Tower Takeover - Full Field & Game Element Kit." VEX Robotics, 28 Jan. 2020.
www.vexrobotics.com/tt-fullfield.html.



VEX U is a competition hosted by the REC Foundation for university students to get engaged in hands-on engineering. Each team produces two robots using the VEX provided parts to compete in the VEX U competition. The competition changes every year with the only constants being the size of the field, the tools and parts teams are able to use, and the size constraints of the robots. The teams compete in regional competitions in order to qualify for the World Championship Competition, which is the highest competition a team can compete in for VEX U. The VEX U teams at Embry-Riddle Aeronautical University are divided into two teams, ERAU Blue and ERAU Gold. Each of these teams are divided into programming and build teams, in which students learn to communicate and cooperate between software and hardware and the importance of doing so. The leadership structure of the club includes the president, vice president/treasurer, the gold and blue team leads, the programming leads, and the build team leads. Both teams compete at the competitions in order to gain engineering experience, networking opportunities, and the opportunity to compete in a rigorous competition.



Sourced from:
"Rossum Rumlbers: Polytechnic Robotics Club." Rossum Rumlbers Robotics,
rrr.engineering.asu.edu/projects/.

Sourced from:
"Tesla Selects The Robotics Education & Competition Foundation As One Of The Initial Recipients Of The Company's Nevada K-12 Investment Fund | Markets Insider." Business Insider, Business Insider.