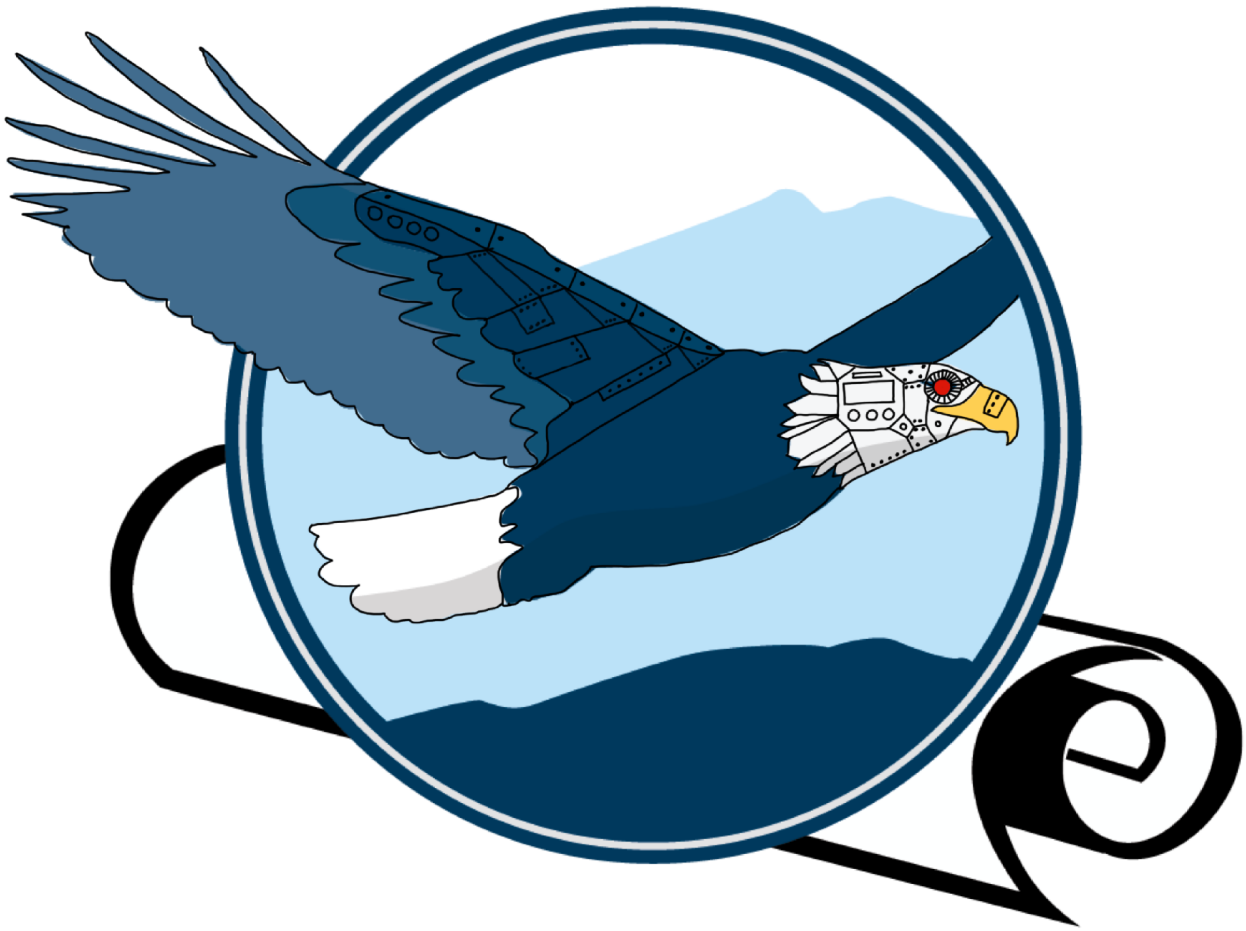


Soaring Heights

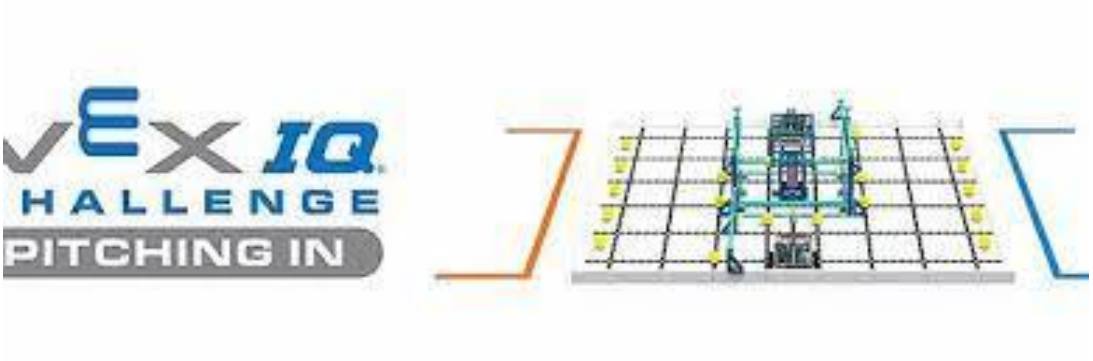
PK-8 School

Robotics

Erie, Colorado

2021-2022

Soaring Heights VEX IQ Challenge



Jamie Nesbitt, Event Partner

nesbitt_james@svvsd.org

Event Day phone - 610.420.0523

WELCOME!

This document is intended to present important information for all teams attending the VEX IQ event at Soaring Heights PK8 School, Erie, Colorado. Please review this document and the links carefully with all team members and associated adults prior to the event.

GAME DESCRIPTION

For a one-page description of the game, please visit this link.

For Student Team Members

Today's event is for you! *Our volunteers are here to help you have a positive and successful experience. You will face many challenges and some setbacks, tackle them as problems to be solved. Focus on improving throughout the day, have fun, and make new friends. If you have any questions or concerns, please reach out to our event staff.*

For Adult Coaches and Teachers

Thank you for all your hard work supporting your teams! *Without you, there would be no teams present today. Your support is critical to their success, but with limits. Adult coaches and teachers are only permitted to interact with the teams in the designated pit area. The competition area is only for student drive members and competition staff.*

For Parents

Thank you for preparing your child for this event! *You have prepared them well and it is time to let them spread their wings. VEX IQ Challenge is an intense student-centered experience for all. Throughout the day you will witness students problem solving. Robots may fail, mistakes will be made, but teams quickly adapt. We ask that all spectators, parents included, refrain from interacting with event officials and teams in the main competition area and in the pit area, which is restricted to teams and their adult coaches once matches have commenced. A great part of the learning occurs when students learn to advocate for themselves.*

ROBOTICS EDUCATION AND COMPETITION FOUNDATION CODE OF CONDUCT

The Robotics Education & Competition Foundation considers the positive, respectful, and ethical conduct of all students, teachers, mentors, parents, and other event attendees an important and essential component of all VEX IQ Challenge, VEX Robotics Competition, and VEX U events.

We expect the following behavior and ethical standards at all REC Foundation- sanctioned events:

- *Act with integrity, honesty, and reliability*
- *Behave in a respectful and professional manner with event staff, volunteers, and fellow competitors*
- *Exhibit maturity and class when dealing with difficult and stressful situations*
- *Respect individual differences*
- *Follow all rules as listed in the current game manual(s)*
- *Student-centered teams with limited adult assistance*

- *Safety as a top priority*
- *Good sportsmanship, which includes supporting your alliance partners*

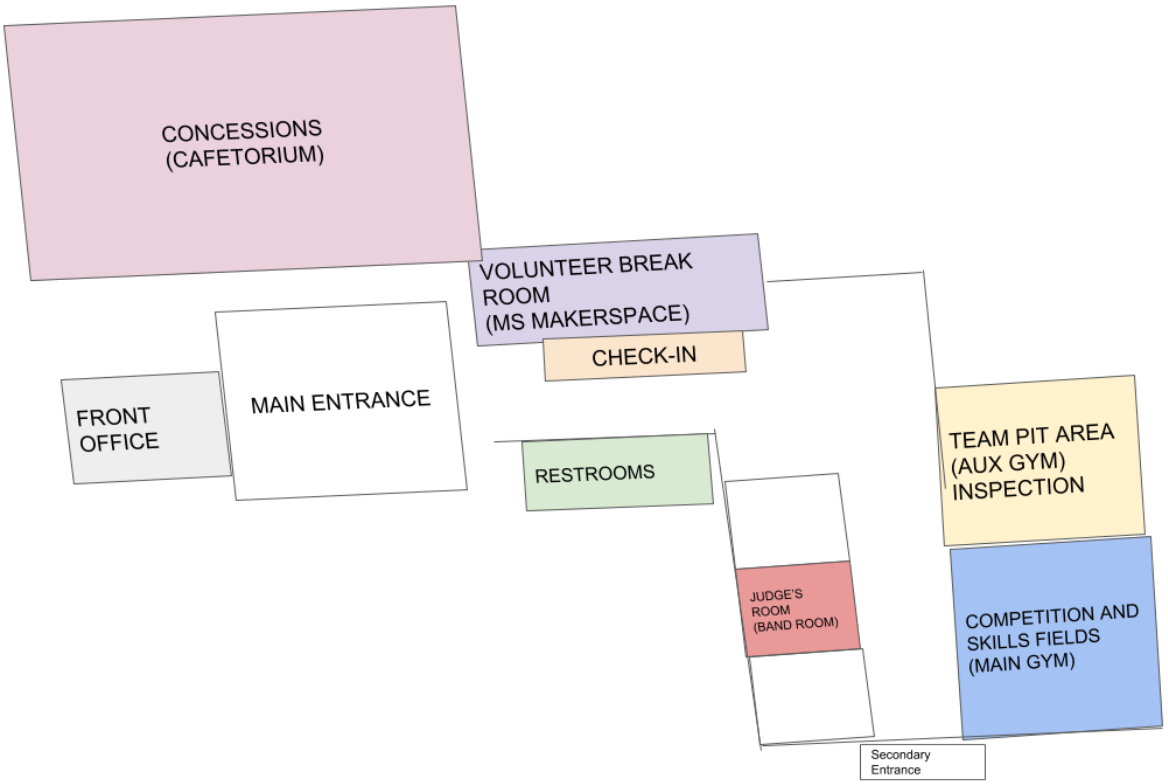
These expectations apply to all team members and all adults associated with a team including, but not limited to, teachers, mentors and parents.

Judges will consider team conduct and ethics when determining awards.

Repeated or egregious violations of the expectations in this Code may result in consequences up to the disqualification of the team or organization from the current event and/or future events, and potentially removal from the program after review by the REC Foundation.

VENUE

Soaring Heights PK8
3280 County Rd 5
Erie, CO 80516 *[map link]*



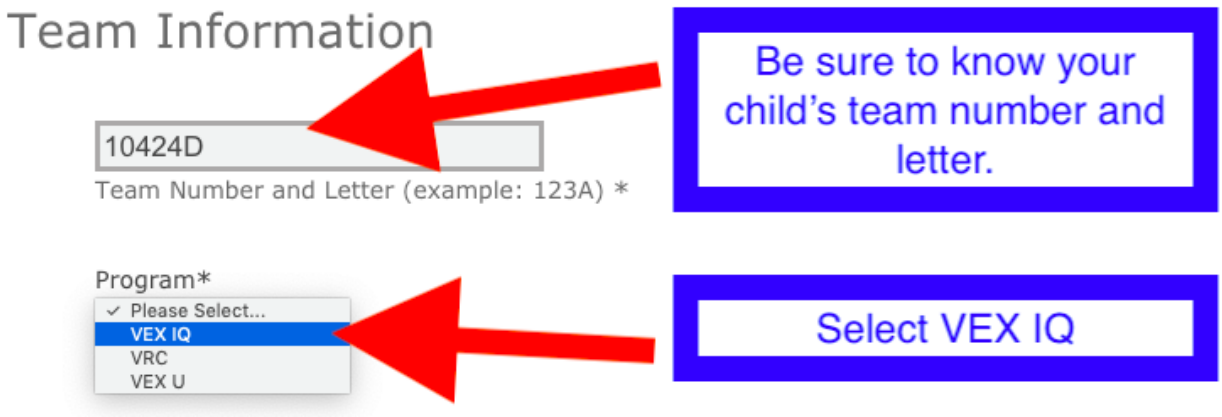
CHECK IN PROCEDURES

Participant Release Forms

All teams should manage their season participant release forms on RobotEvents.com - this will speed up the registration process for all events. Be sure that the students use the team number they will be driving for the season. ***Parents will also receive a confirmation email. Be sure to finish this step or the Online***

Consent form is incomplete.

Online Consent Form



Consent Form

At the Event

Adult advisors will check in all their teams and confirm the number of students present. At least one designated adult advisor must be present throughout the whole day and provide a cell phone number. Once all team members are present, proceed to the pit area and set up. Parents are welcome to help with the equipment load in and pit setup. However, due to the limited pit space, once matches start, only the adult team advisor(s) and team members may be present in the pit area.

COVID Protocols

- *All participants, volunteers and spectators are required to wear a mask at all times while indoors.*
- *Students may use the blacktop area located through the gym doors to take frequent mask breaks and stay close to the pit area and queuing line.*
- *Hand sanitizer will be available and spacing will be maximized between tables in the pit area.*
- *If you are experiencing any symptoms, including fever, or have had a recent exposure to someone that has tested positive for COVID, please do not attend.*

AGENDA

Final qualifying match schedule will be distributed at the end of the Drivers meeting. We will do our best to stick to the agenda and keep times as close as possible to ensure the tournament runs on time.

- *7:30am doors open*
- *8:00am Check-in and Robot Inspection*
- *9:00am Skills Challenges Begin*
- *9:30am Drivers and Coaches Meeting / Opening*
- *10:00am Tournament Match Play Begins*
- *12:00am Break for Lunch*
- *12:30pm Tournament Match Play and Finals*
- *3:00pm Awards*

FOOD

*TBD****

PIT AREA

Each team will be assigned a table space in numeric order in the Pit area. We will provide two power charging stations in each pit area. Robot inspection will take place in the pit. Engineering Notebooks need to be turned in when teams check in. Engineering notebooks will be delivered back to the teams prior to the awards ceremony.

INSPECTION

All participants should check that their robot meets inspection criteria before coming to our event. Slow and failed inspections always delay the start of the tournament and teams should not have to work on the robots the morning of the tournament.

Please review the Robot Inspection Checklist prior to the event.

Particular issues that teams need to attend to in order to pass inspection:

- ***This year the size requirement at the start of the match is 11" x 19" and is no taller than 15". Robots may not expand vertically beyond 19".***

Teams are requested to go to inspection as soon as possible after they arrive.

Match Queuing and Qualifying Matches

There will be 4 fields in the main competition area, and 2 on the far side of the gym for skills challenges. Before matches begin in the morning, all six fields will be running skills challenge runs. During matches, 2 fields will be dedicated to skills and 4 fields will be dedicated to qualification matches. We are planning to have a 2 minute match cycle during qualifying rounds, so it is imperative that teams pay close attention to which match is currently being played. Teams will play 6 qualifying matches.

Finals

Each team will have 6 qualifying matches. Upon completion of the qualifying rounds we will have all teams advance for one last Teamwork Challenge to determine the overall Teamwork Champion.

****Tournament Champions qualify for the Colorado State Championship****

INTERACTIONS WITH HEAD REFEREE

The Head Referee is available to answer all questions from the Student Drive Team Member (not an Adult). Student Drive Team members should be prepared to show the corresponding printed Game Manual rule and/or Official Q&A prior to approaching the Head Referee about a particular ruling.

Replays are solely at the discretion of the Event Partner and Head Referee, and will only be issued in the most extreme circumstances.

<T1> *Referees have ultimate authority during the competition.* ***Their rulings are final.***

a. *The referees will not review any photo or video Match recordings.*
b. *Referees will review the Field at the end of each match and accurately record the game score. If there is a disagreement with the scoring only the Drivers, not an Adult, may share their questions or concerns with the referee.* ***Once the Field is cleared for the next Match, Drivers can no longer dispute the Match Score.***

<T02> *The only people from a Team permitted by the playing field are the two Drive Team Members.*

Adults, who are not student members of the Drive Team, are not permitted in the playing field area.
All participants are expected to have studied the following documents relating to rules of competition.

Pitching In Game Manual:
https://content.vexrobotics.com/docs/21-22/pitching-in/Game-Manual-2.1.pdf
Official Pitching In Q&A:
RobotEvents.com Official Q&A

SKILLS

All teams are encouraged to do Skills Challenge runs throughout the day. Teams will be allowed to do three driver and three programmer skills runs during the day. Skills will be closing at 1:00pm or at the conclusion of the last qualifying match.

JUDGING

To be considered for Design and Excellence awards, teams must submit Engineering Notebooks at check in. Judges will review all notebooks and determine the top contenders for Design. Judges will interview the top contenders in their pit area and will also monitor matches to see how teams interact with one another and how robots perform on the field. Judges use the Awards Appendix to guide their decisions for all awards.

******Excellence Award Qualifies for the Colorado State Championship******

The Design Award rubric:

This year the Design Award Rubric is found in the Judges guide - VEX IQ Judges Guide

AWARDS

Award	Qualifies for
Elementary Excellence Award	Colorado VEX IQ State Championship - Elementary
Middle School Excellence Award	Colorado VEX IQ State Championship - Middle School
Teamwork Champion Award	Colorado VEX IQ State Championship - Elementary
	Colorado VEX IQ State Championship - Middle School
Robot Skills Champion Award	Does not qualify for any events.
Robot Skills 2nd Place	Does not qualify for any events.
Judges Award	Does not qualify for any events.
Design Award	Does not qualify for any events.