

2023-2024 Season Launch

- Freemasons trailer
- VEX IQ Robotics Competition: Full Volume
- VEX Robotics Competition: Over Under

Organisations



VEX Robotics

Makes VEX EDR and VEX IQ robot parts

Robotics Education & Competition Foundation (RECF)

Non-profit that runs the various VEX education programs
robotevents.com



Kiwibots NZ - Charitable Trust

VEX sales/distributor

Supports promotes Robotics in New Zealand

Central Region Robotics Trust

Organises scrimmages in the region

Organises NZ VEX IQ National Championships

Organisations: Contact



VEX Robotics

Chris Harding

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Robotics Education & Competition Foundation (RECF)

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Kiwibots NZ - Charitable Trust

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Central Region Robotics Trust

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websites

Content	Web link	Google Search
Register teams and register for events	https://www.robotevents.com/robot-competitions/vex-iq-competition	Register VEX IQ team
Game for this season	https://www.roboticseducation.org/teams/vex-iq-competiton/	VEX IQ Full Volume
Full Volume game manual	https://link.vex.com/docs/23-24/viqrc-full-volume/GameManual	Use link
Official rules Q & A	https://www.robotevents.com/VIQC/2023-2024/QA	Use link

websites

Content	Web link	Google Search
Register teams and register for events	https://www.robotevents.com/robot-competitions/vex-robotics-competition	Register VRC team
Game for this season	https://www.roboticseducation.org/teams/vex-robotics-competition/	VRC Over Under
Over Under game manual	https://link.vex.com/docs/23-24/vrc-over-under/GameManual	Use link
Official rules Q & A	https://www.robotevents.com/VRC/2023-2024/QA	Use link

websites

Content	Web link
New Zealand Robotics Trust	Kiwibots.co.nz
Central Robotics	Centralrobotics.org.nz
Knowledge base	Kb.vex.com kb.roboticseducation.org
Students Teams	Student.vex.com Teams.vex.com
Engineering notebooks Programming/coding	Notebooks.vex.com Coding.vex.com



Central Robotics
Central Region Robotics Trust





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Getting started

- Divide your students into teams (3-5)
- Register your team on robotevents.com
- Purchase robot kit from kiwibots.co.nz
- Getting your students in engineering notebook from day one



During the season

- Register for scrimmage on robotevents.com
- Prepare for scrimmage
- Attend the scrimmage
- Work on robots and prepare again
- Attend more scrimmages



Going beyond the clawbot

Google “VEX IQ Build” and choose one of the standard designs, like Fling, Clawbot, Linq, Flex or Stretch



How does VEX IQ work

- At a scrimmage
- The season
- Awards
- Regionals
- National Championships

Awards

Qualifying and non-qualifying

Qualifying awards means the winner of the award is invited to the World Championship and is only available at National Championship

Performance or judged

A scrimmage's awards are posted in robotevents.com





Awards: TWO Excellence

- Judged award, goes to best all-around team,
- VIQRC: elementary, and middle school
- VRC: Middle School High School
- Prepare by:
 - Have a good robot
 - Practice judging
 - Compete in skills
 - Good engineering notebook





Awards: Teamwork challenge

- Performance award that goes to the alliance (2 teams) that wins the teamwork competition
- Usually a qualifying award for Worlds
- Prepare by
 - Building a good robot
 - Practice, practice, practice
 - Practice some more





Awards: Robot Skills

- Performance award, goes to team with best Robot Skills score
- Highest Robot Skills score wins the award
- Skills ranking is important





Awards: Design

- Judged award, goes to team with the best DOCUMENTED engineering design PROCESS
- Possible qualifying award for Worlds
- Prepare by:
 - Practice judging
 - Have great engineering notebook, kept up since first day
 - A team will NOT win this without a great notebook





Awards: Others you may see

- Amaze
- Think
- Create
- Build
- Innovate
- Teamwork
- Educate
- Future
- Judges
- Energy
- Sportsmanship
- Service
- Community
- Promote
- Invent
- Division Champion
- Mentor of the Year
- Teacher of the Year
- Volunteer of the Year
- Partner of the Year

Event Partners can give out any of these, but most are only seen at Worlds

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and
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