Welcome Session
Dan Mantz, CEO REC Foundation
Thank You TVR

TENNESSEE VALLEY ROBOTICS

tnvrobotics.org
Inspiring students, one robot at a time.

OUR MISSION
Increase student interest and involvement in science, technology, engineering, and mathematics (STEM) by engaging students in hands-on, affordable, and sustainable robotics engineering programs.
We create programs for all students to develop and thrive.

OUR VISION

We see a future where all students design and innovate as part of a team, experience failure, persevere, and embrace STEM.
2021-2022 SEASON

Registration
Over 21,000 teams registered for VRC, VIQC or VEX U.

Events
The RECF hosted over 2,300 events during the season.

Countries
Teams from over 50 Countries participated during the season.
Team and Program Growth

Last Five Years
Google Mentor Program

The Google Mentor Program is designed to engage the existing robotics community and Google volunteers to provide resources, mentorship, support, and encouragement to rising robotics teams.
2022-2023 Competition Season
Initial RECF Registration

First change in team registration fees since June 2017.

2022 - 2023 Initial RECF Registration fee of $200

US Teams Only: VIQC, VRC, VEX U, and RADC

What’s included?

1 Team Registration
Program Welcome Kit
Access to Online Challenges
RECF program staff support
Annual Coach and Event Partner Summits (both in-person and virtual)
Access to educational materials & training

$150 Registration fee per additional team
2022-2023 Competition Season
Flat Organizational Fee

Organizations are defined by the location of the hosting school or group. Each school in a district is recognized as a different organization. Team Base Numbers do not change.

If Organization exceeds 22 teams, additional team registration fees or multiple flat organizational fees for all teams in the organization will apply.

Registration fees for non-US teams and organizations will be determined by the area RSM.

Flat Organizational Fee of $650 for up to 22 team registrations (US).
2022-2023 Competition Season
Flat Organizational Fee Examples

<table>
<thead>
<tr>
<th>Organization</th>
<th>Number of Teams</th>
<th>Registration fee</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization 1234</td>
<td>1 Team</td>
<td>$200</td>
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<tr>
<td>Organization 9876</td>
<td>2 Teams</td>
<td>$350</td>
</tr>
<tr>
<td>Organization 5678</td>
<td>4 Teams</td>
<td>$650</td>
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<tr>
<td>Organization 3334</td>
<td>68 Teams</td>
<td>$2300*</td>
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*Organization 3334 has 68 teams - Registration fee is $2300
They will pay 3 flat organization fees to cover 66 team registrations
They will pay $350 to cover the remaining two team registrations
Overview of Resources for VEX Registered Teams

Included with registration:

- Virtual Skills
- Mentor VEX PD+
- Competition Options (In-Person and LRS)
- Classroom Competition Activities
- Remote judging and digital notebooks
- Online Challenges
- Dedicated RECF Manager for customized support
Virtual Skills

Plan, strategize, and code your robot while learning computer science with VEXcode VR. Take advantage of knowledge base articles, lessons, and teacher resources.
1. In-Person Tournaments
2. In-Person Leagues
3. In-Person Skills
4. Live Remote Skills (LRS)
Coaches and Event Partner Advisory Boards

The purpose is to share RECF initiatives with other stakeholders to get their feedback and to get their input on how we can better support them and the students.
2023 VEX Robotics World Championship

SAVE THE DATE FOR THE LARGEST ROBOTICS COMPETITION IN THE WORLD
The Kay Bailey Hutchison Convention Center Dallas

APRIL 25 - MAY 4
2023 VEX Robotics World Championship Feedback

Q4 Please rate your team's (or teams') experience at VEX Worlds.

Answered: 431  Skipped: 0

Q10 What do you think about the schedule for VEX Worlds?

Answered: 429  Skipped: 2
BOB MIMLITCH III
Co-founder & Chief Technology Officer
VEX Robotics & Innovation First International
any Educator can teach STEM and CS
any Adult can mentor a robotics team
any Student can engineer a robot
any Team can run a robotics camp
any School can host a robotics competition
<table>
<thead>
<tr>
<th>Level</th>
<th>Competition Continuum</th>
<th>STEM Continuum</th>
<th>CS Continuum</th>
<th>Automation Continuum</th>
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<tbody>
<tr>
<td>4yr College</td>
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<td>2yr College</td>
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<td>High School</td>
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<td>Middle School</td>
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<tr>
<td>Elementary</td>
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**Educator Content**

Professional Development, Curricula, Knowledge Bases, Coding, Competitions

**VEX Continuums**
Capturing Knowledge
Start Here
- Get Started with VEX IQ (1st generation)
- Get Started with VEX IQ (2nd generation)

Next Steps
- Get Started with a VEX IQ (2nd gen) Classroom Bundle
- Naming Your Brain with VEX IQ (2nd gen)
- Building Your First Robot with VEX IQ (2nd gen)

Teach with VEX IQ
- Having Effective Debrief Conversations with Your Students
RECF Resources

Preliminary information currently under review

Teams
Resources for Competition Teams and Coaches

Event Partners
Host your own robotics event.

Volunteers
Help out at a local event.

Students & Parents
Certifications, scholarships and more.

The VEX Library has help and articles on
- VEX documentation
- Getting started
- Robot engineering
- Coding techniques
- STEM fundamentals

All online at library.vex.com
Event Partners

Event Planning
  - VEX Event Types and Formats
  - VEX Event Activities
  - Event Planning
  - Event Budget
  - Venue Selection & Planning
  - Remote Judging Options
  - EP Supplies and Game/Field Components
  - Team Qualification Process
  - EP Involvement in Student Policies
  - Mobile Apps for EPs
Volunteers

Thank you for volunteering
- Thank you letter from Dan Mantz*
- Watch a Video from Past Judges*

Get Started
- VRC/VIQC Judge Certification Course
- Judge Volunteer's Guide
- Judge Orientation and Scheduling
- The Judge Advisor's Guide
- Judging Changes for 2021-2022
THANK YOU