



2021 VIRTUAL

**REC FOUNDATION
SUMMIT**

Team Resources

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2021 VIRTUAL REC FOUNDATION **SUMMIT**

WELCOME

During this presentation we will show you the wide variety of team resources available to our coaches, mentors and teams.



**VEX Robotics
Knowledge Base**

**Downloads &
Mobile Apps**

Certifications

Support Staff

STEM Labs

Websites

VEXcode

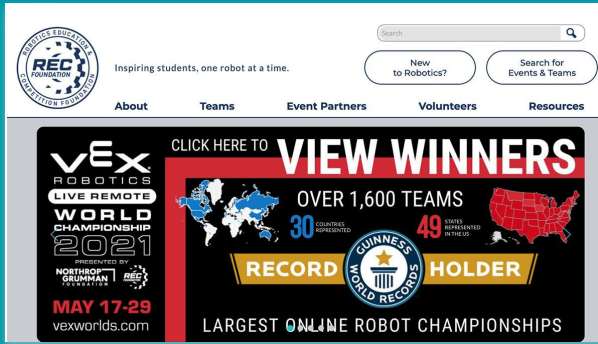
Team Guide



ROBOTICS EDUCATION & COMPETITION FOUNDATION
Inspiring students, one robot at a time.



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WEBSITES

There are 3 websites you will want to bookmark for easy access.

- roboticseducation.org
- robotevents.com
- vexrobotics.com




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COMPETITION INFORMATION

- Game Manuals
- Team Guide & Event Partner Guides
- Team Registration
- Student Center Policy and Code of Conduct
- Design Notebook Samples
- Participation Release Forms
- and More

Current Challenge: Tipping Point




VEX Robotics Competition Tipping Point is played on a 12'x12' square field configured as seen above. Two (2) Alliances - one (1) "red" and one (1) "blue" - composed of two (2) Teams each, compete in matches consisting of a fifteen (15) second Autonomous Period, followed by a one minute and forty-five second (1:45) Driver Controlled Period.

The object of the game is to attain a higher score than the opposing Alliance by Scoring Rings, moving Mobile Goals to Alliance Zones, and by Elevating on Platforms at the end of a Match.


Game Resources	Get Started	Team Guide
Event Partner Guide	Register a Team	Code of Conduct
Student-Centered Policy	Participant Release Forms	Design Notebook
Official App	VEX Competition History	VRC Forum

Current Challenge: Pitching In



VEX IQ Challenge Pitching In is played on a 6' x 8' rectangular field configured as seen above. Two robots compete in the Teamwork Challenge as an alliance in 60 second long teamwork matches, working collaboratively to score points. Teams also compete in the Robot Skills Challenge where one robot takes the field to score as many points as possible. These matches consist of Driving Skills Matches, which will be entirely driver controlled, and Programming Skills Matches, which will be autonomous with limited human interaction.

Game Resources	Team Guide	Event Partner Guide
Register a Team	Code of Conduct	Student-Centered Policy
Participant Release Form	Design Notebook	Official App
VEX Competition History	VIQC Forum	



REC Foundation Aerial Drones Competition

The REC Foundation, in partnership with [For the Win Robotics](#), offers a low-cost, in-person, aerial drone competition. Experience an educational drone sporting RAD Competition event to see the dedication, innovation, and excitement unfold among students who are reaching new heights and leveraging real-world skills to amplify their futures.

Register Now!	Learn More About RAD	Team Guide	Game Manual 2020-21
Game Manual 2021-22 (Coming 9/15)	Inspection Form	RAD Forums	Purchase Drones





TEAM GUIDE

#1 Resource for Teams

Everything you need to know about the Robotics Season

- Team Registration
- Forms, Policies and Procedures
- Before the Build: Starting a Team
- Build time: Engineering Design Process
- Attending an Event
- Additional REC Foundation Resources

[Link to Team Guide](#)



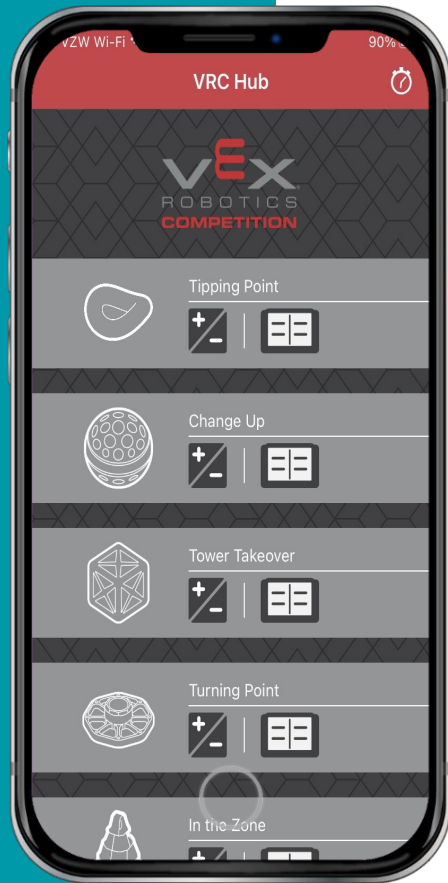
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MOBILE APP LIBRARY

<https://www.roboticseducation.org/mobile-app-library/>



The VRC and VIQC App is the ideal competition companion for teams, spectators and event partners. It includes

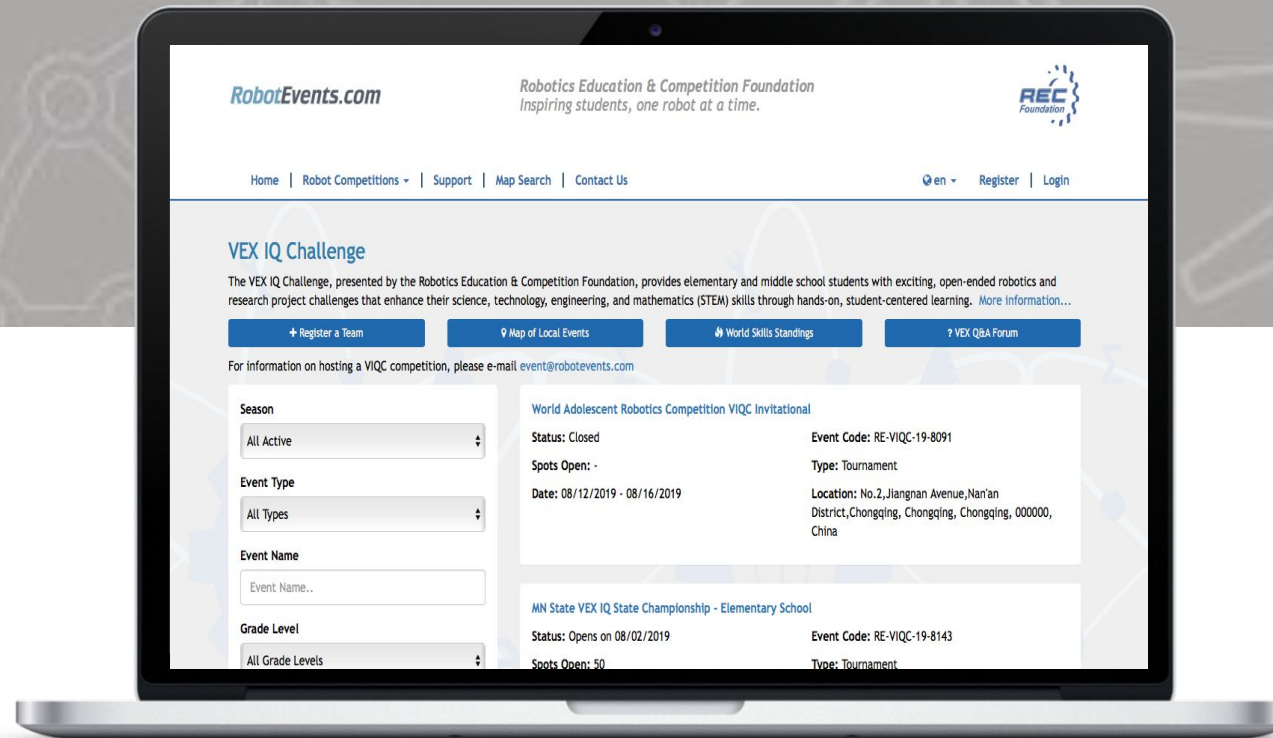
- Searchable, easy to use official game manual
- Calculator to keep score for the current game
- Timer to run your own practice matches (with official game sounds)



VEX Tournament Manager Mobile app used at scrimmages and tournaments. Referees can submit match scores from their devices



VEX via allows you to follow the progress and results at competitions



ROBOTEVENTS

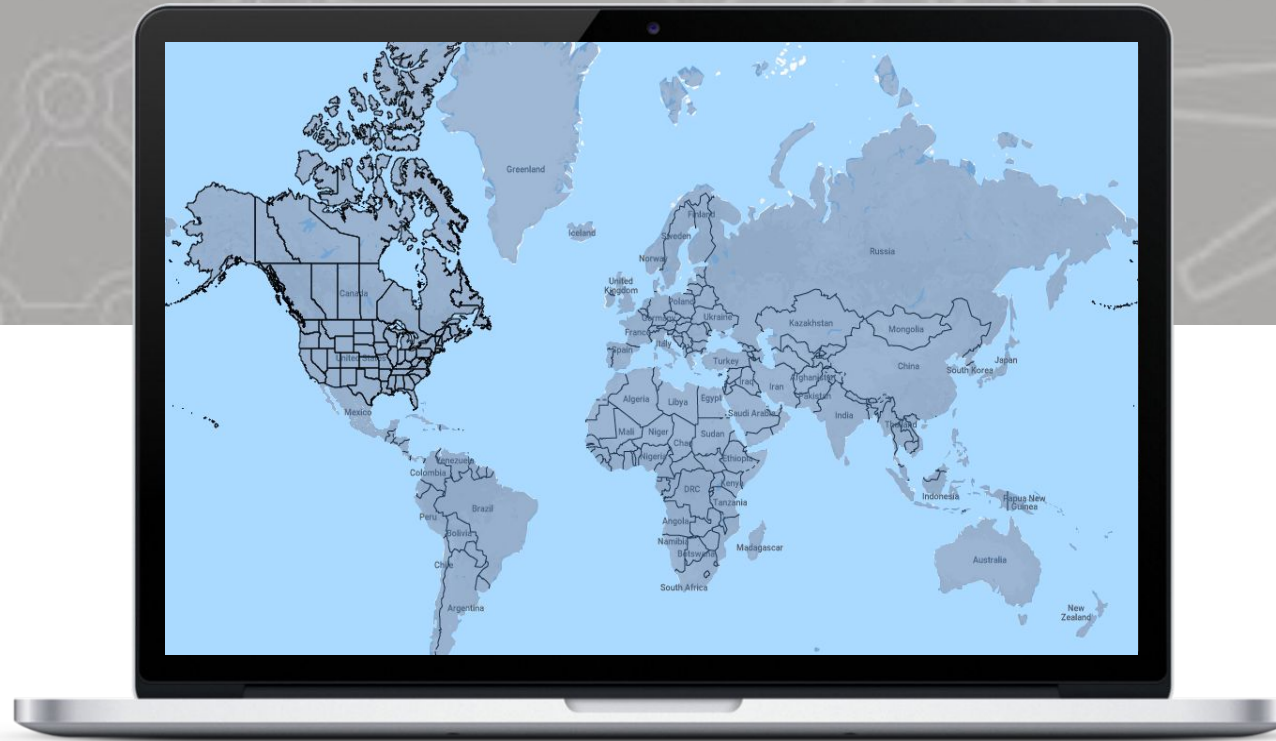
<https://www.robotevents.com>

Register Teams - Register for Events - Official Q&A Forums



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SUPPORT STAFF

<https://www.robotevents.com/support>

Click on your Country or State to find your support team contact information



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Take a look inside!

Select a role to view courses:



Drive Team



Head Referee



Event Partner



Judge

CERTIFICATIONS

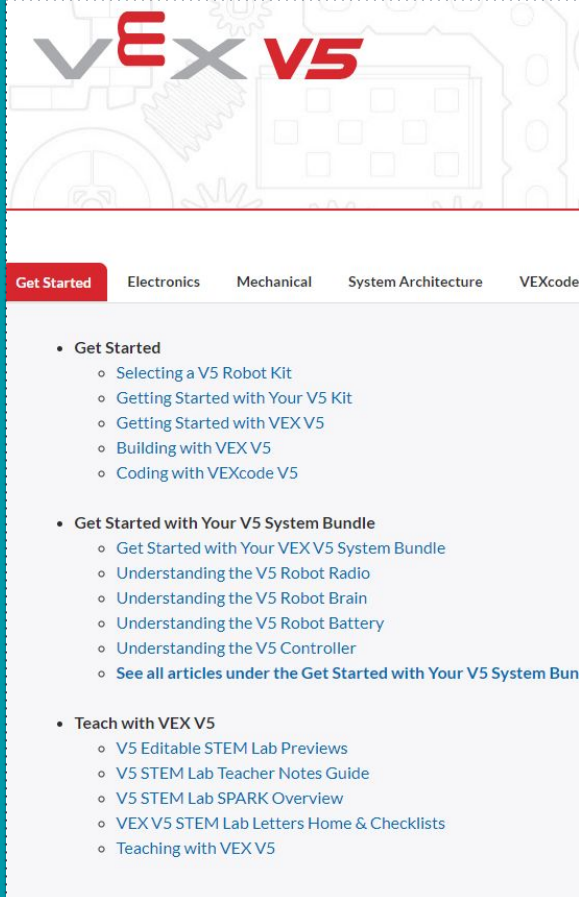
Drive Team - Head Referee - Event Partner - Judge

<https://certifications.vex.com/>



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VEX ROBOTICS KNOWLEDGE BASE

<https://kb.vex.com/hc/en-us>

VEX Robotics Knowledge Base is a library of information about all things VEX. The purpose is to help VEX users quickly find information about VEX products, services, or topics. The Knowledge Base offers self-service support content around multiple topics and themes





STEM LABS

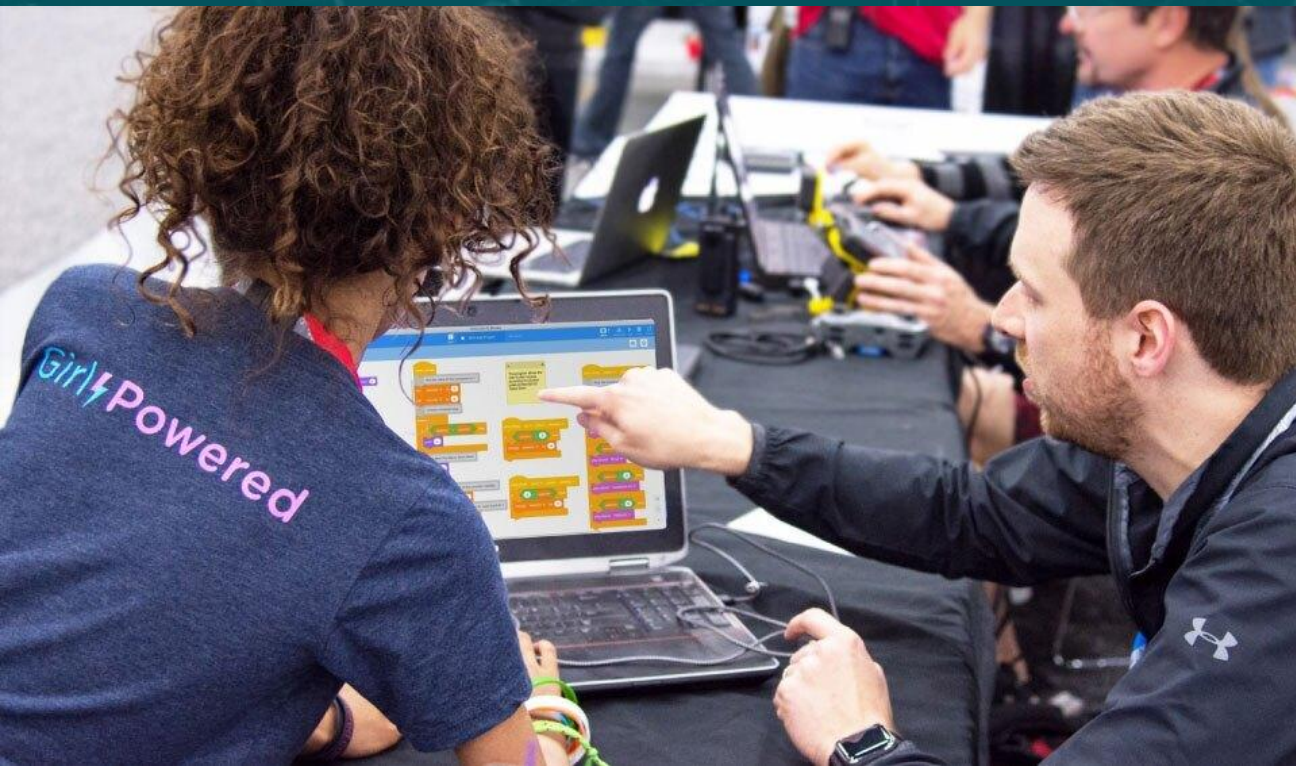
STEM labs function as “plugin” lessons that can fit into your existing curriculum

<https://education.vex.com/>



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VEXcode

- VEXcode is free to use
- Drag, Drop, Drive
- Video Tutorials
- 40+ Example Projects
- Block and Text Based Options
- VEXcode VR

<https://www.vexrobotics.com/vexcode>



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DEDICATED **SUPPORT TEAM**

We are here to help

No matter how big or small your questions or challenges are, the entire REC Foundation community is here to support you! Our community includes Full Time Staff, Part Time Staff and volunteers. Not sure who to ask - Check out our support page at RobotEvents.com

<https://www.robotevents.com/support>

TEM

Team Engagement
Managers

EEM

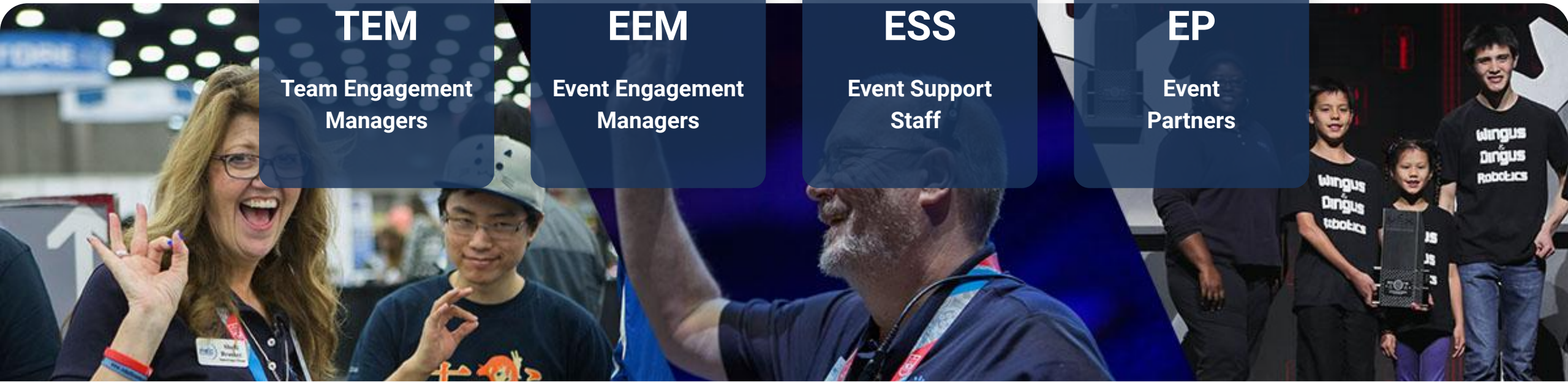
Event Engagement
Managers

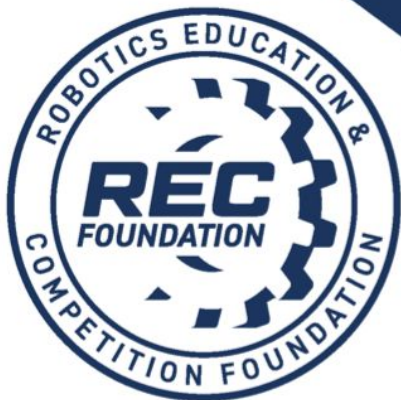
ESS

Event Support
Staff

EP

Event
Partners





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QUESTIONS?

THANK YOU



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