RESOURCES FOR COACHES

LEARN ABOUT THE MANY RESOURCES FOR COACHES, INCLUDING THE REC LIBRARY, WEBINARS, AND MORE

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RSM Florida

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RSM The Northeast

ROBOTICS EDUCATION & COMPETITION FOUNDATION

SUMMIT

VEX ROBOTICS PROGRAMS

Resources for Coaches

Agenda

01. Student Centered Code of Conduct

02. REC Library

03 Certifications and Coach Academy on Moodle

04 Training Webinars

05. RSM Support

06. VEX Resources

07. Elevating Your Program

08 Discussion

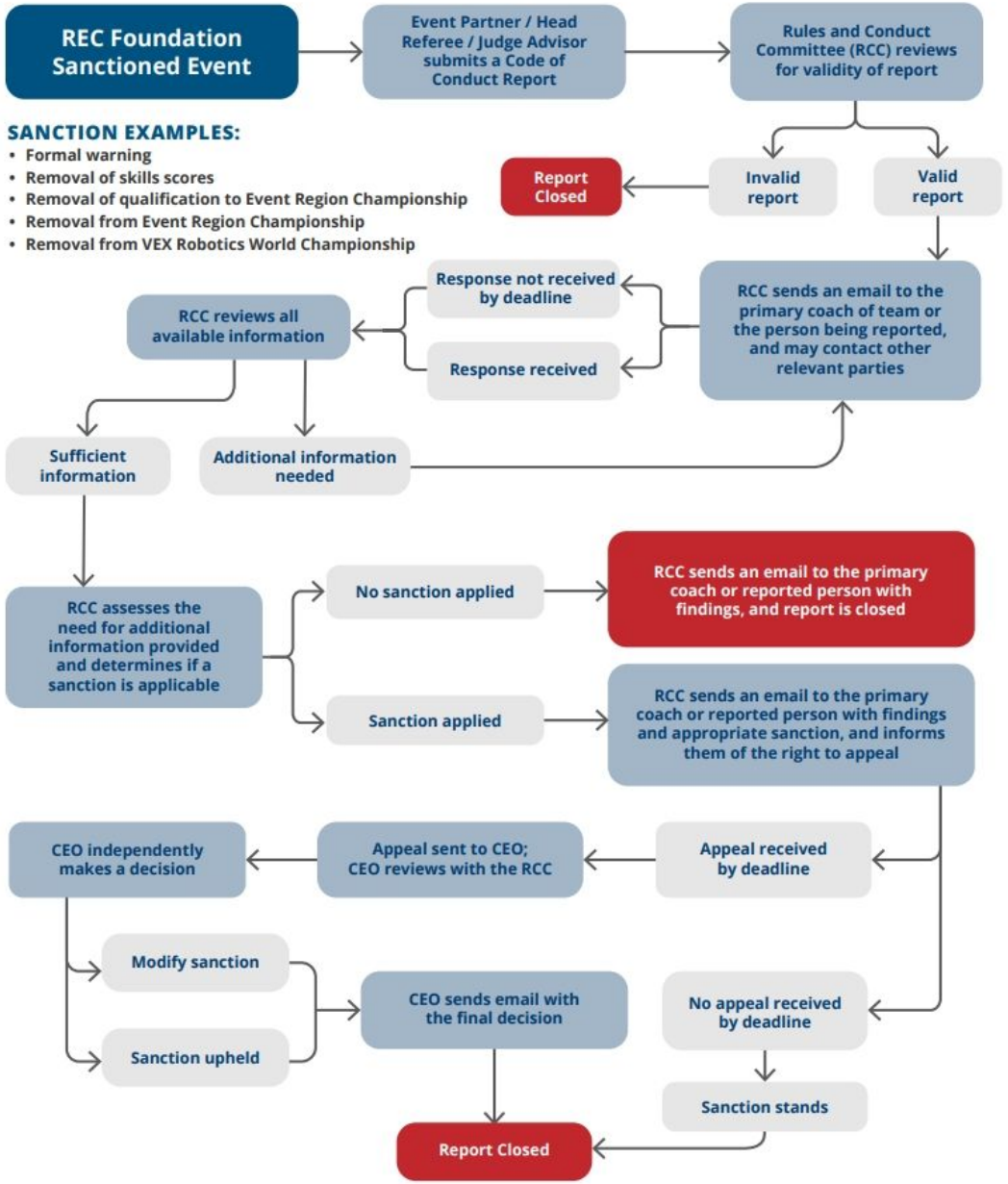
01 Student-Centered Code of Conduct

REC Foundation Policies: Code of Conduct and Student Centered

Code of Conduct

Student Centered

CODE OF CONDUCT RESOLUTION PROCESS



Adult Interactions: Guidelines and the Why?

Behavior Guidelines

Hosting a Parent Boot Camp

NEW!!!

What is a Parent Bootcamp?

A Parent Bootcamp is a coach- or mentor-led meeting designed to help parents, guardians, and other supporters better understand the world of VEX Robotics. These sessions typically include:

- A short overview of the VEX Robotics Competition season
- Explanation of team roles and responsibilities
- What it means for a team to be “student-centered”
- A preview of what tournament days look like
- Family expectations for the year
- Simple ways families can get involved and support the team

“Hosting a Parent Boot Camp” library article has two sample agendas available

parents.vex.com & audience.vex.com

How can parents help?

Parent Boot Camp

02

Websites & REC Library

Robotevents.com & RECF.org

Robotevents.com

Competition Programs

- All VEX Robotics Programs
- Worlds Skills Ranking
- Official Game Manual Q&A
- Official Judging Q&A
- Available Team Numbers
- Live Remote Skills Standings

Resources

- Support
- Map Search
- Contact US

Grants

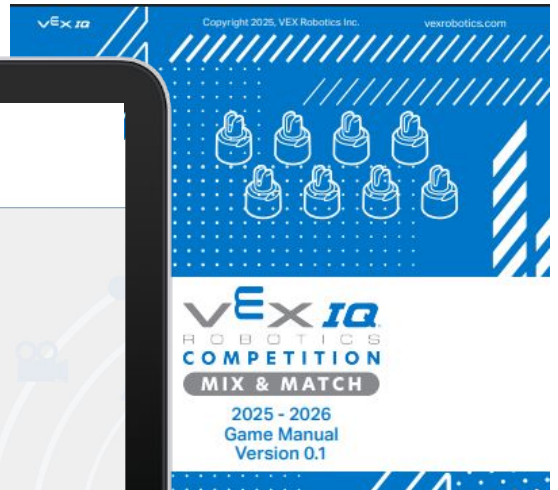
- Interest Survey

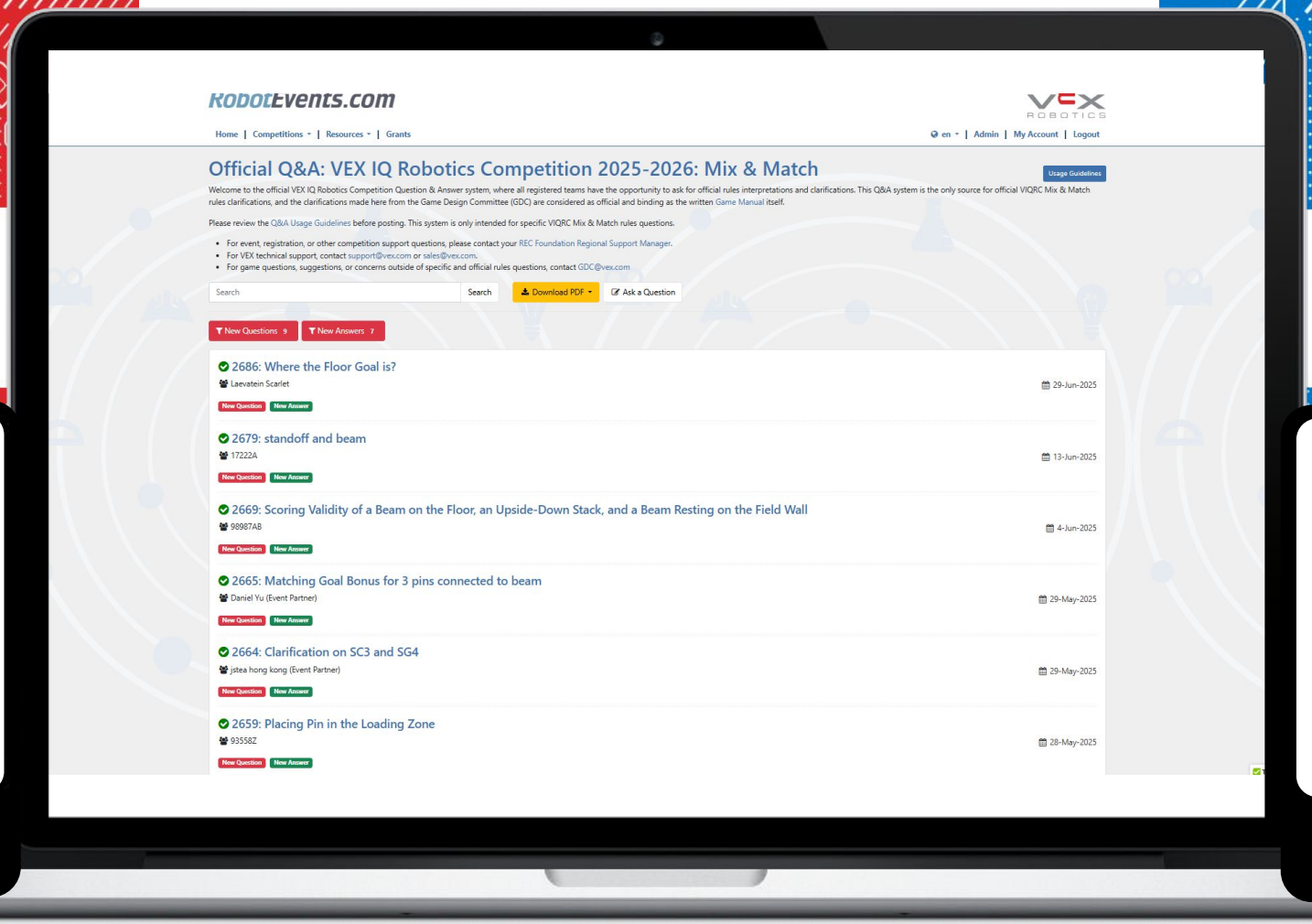
RECF.org

Links to

- RECF Mission and Vision
- REC Library
- Media / Brand Guidelines
- Annual Reports and Program Guides
- Scholarships
- Internships
- Industry Certifications
- IRHS
- Alumni Association
- Volunteers
- Girl Powered

Official Game Q&A & Game Manuals



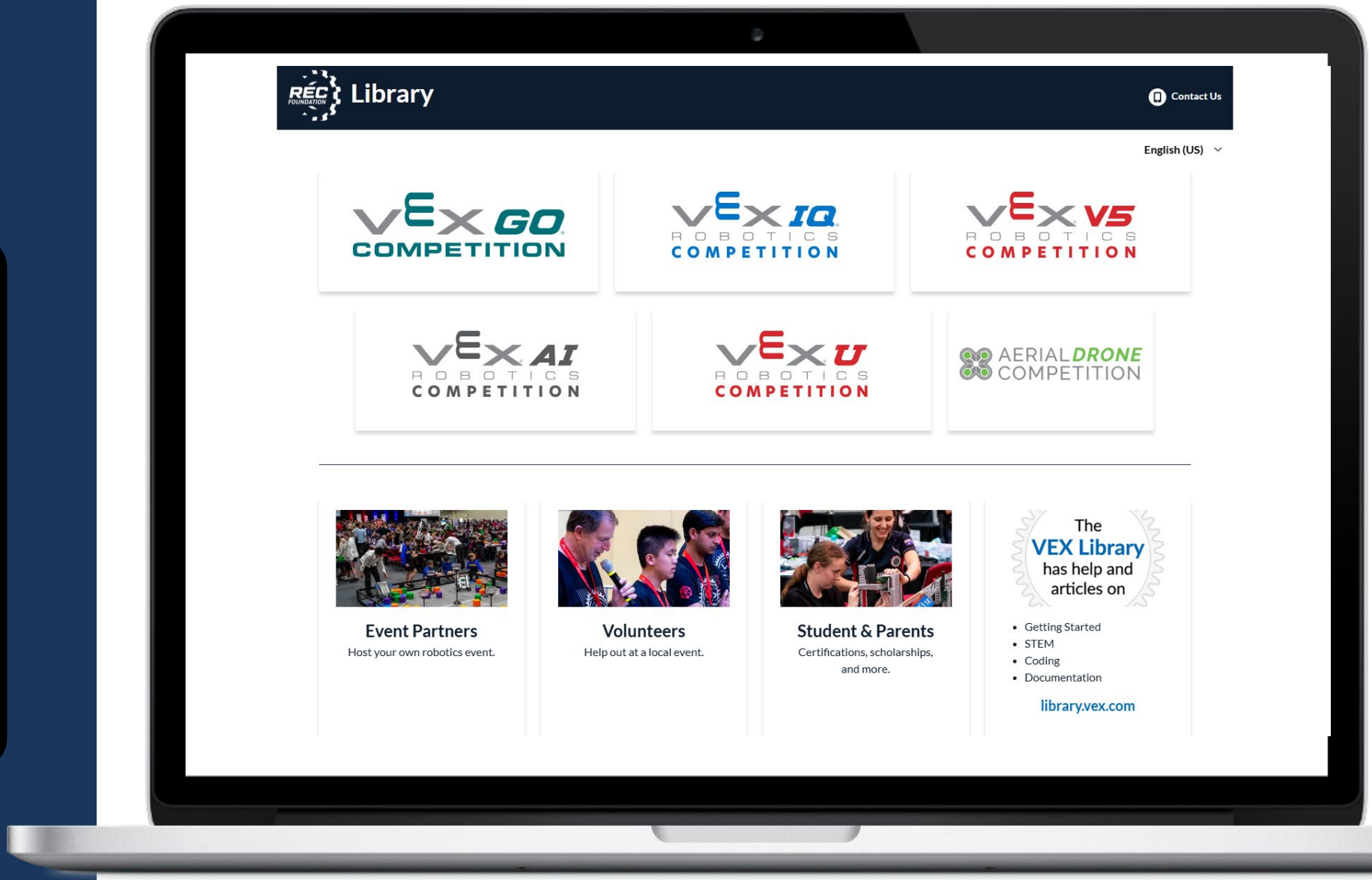


V5RC Game Manual

VIQRC Game Manual

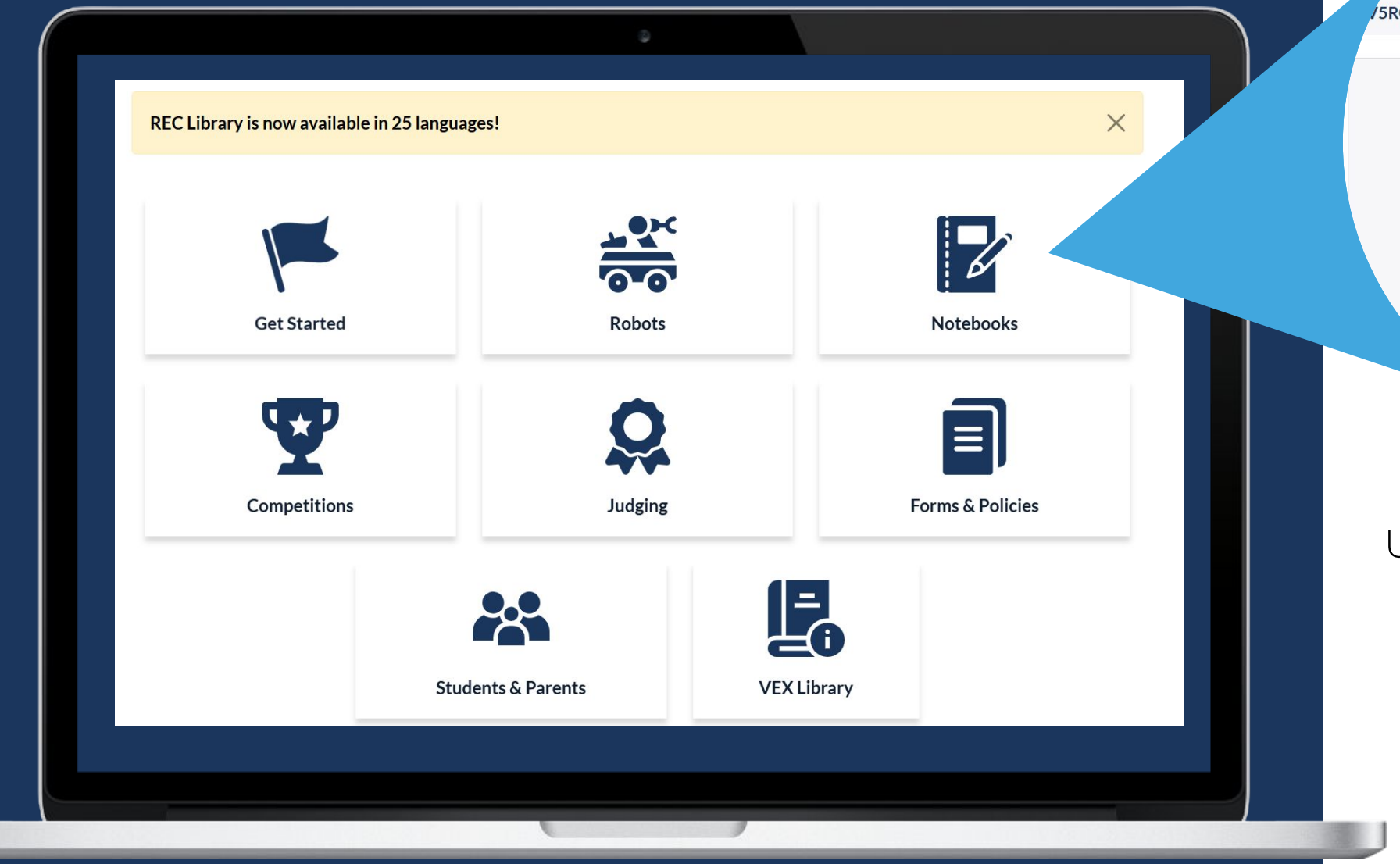
REC Library

REC Library



Easily accessible from kb.recf.org or library.recf.org.

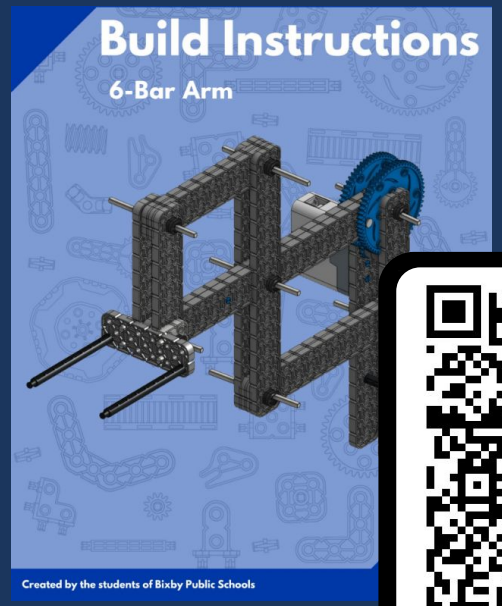
REC Library - Sub Topics



Use the Search Bar

- Sub topics
  - ↳ Articles
    - ↳ “In this Article”

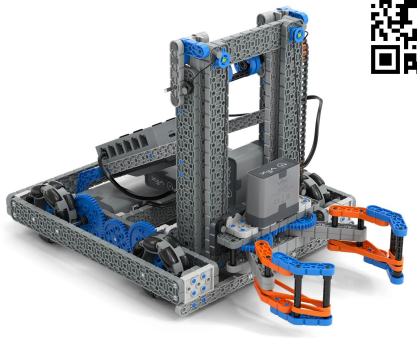
Build Resources



Building Basic Mechanisms

VEX Standard Robot Builds
(HERO BOT)

VEX IQ ROBOTICS COMPETITION
MIX & MATCH



Huey

VEX V5 ROBOTICS COMPETITION
PUSH BACK

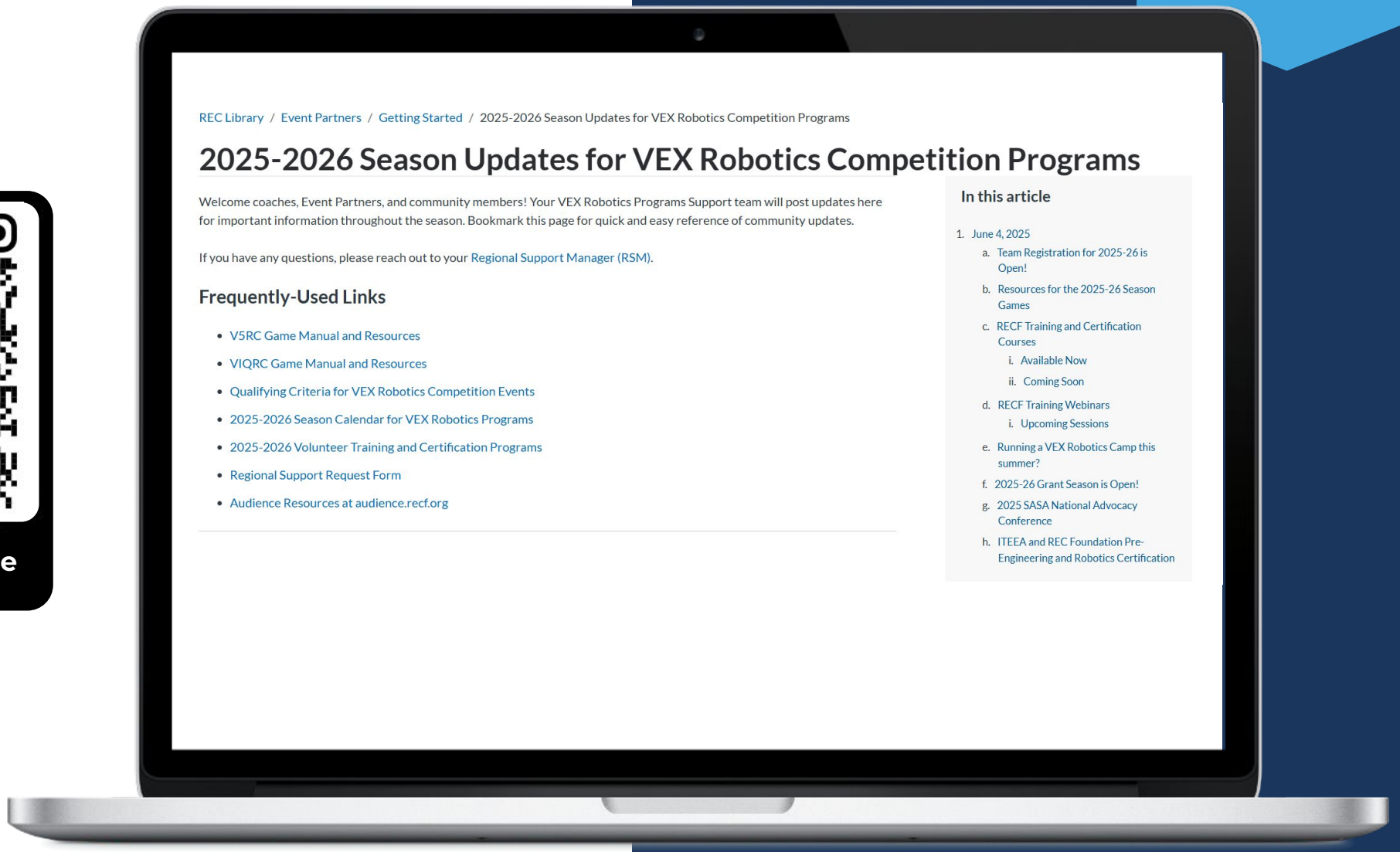
Dex

Do you have a community-created resource for a basic mechanism or modular concept? Submit via the online form!

Season Update Page

NEW!!!

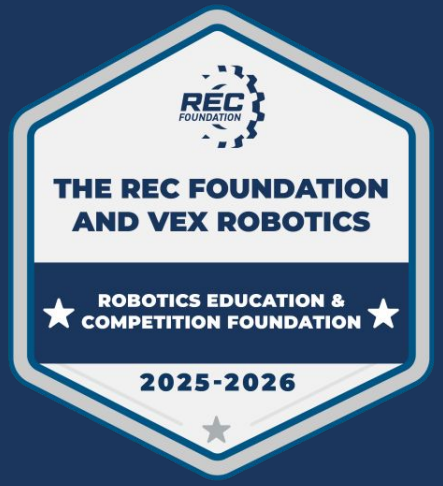
Season Update Page



03

Certifications & Coach Academy on Moodle

Certifications on Moodle



All certifications will move to Moodle

- Better time management
- Combine Certification Modules
- PD hours
- Next season only do “what is new”

training.recf.org

Volunteer Certifications

NEW!!!

VEX IQ Robotics Competition Head Referee Certification

Head Referee

- V5RC Head Ref
- VIQRC Head Ref
- VURC Head Ref

Judge Advisor

VEX V5 Robotics Competition Event Partner Training and Certification

Event Partner

Coach Academy

Coach Academy

Two-part support system for both new and veteran coaches

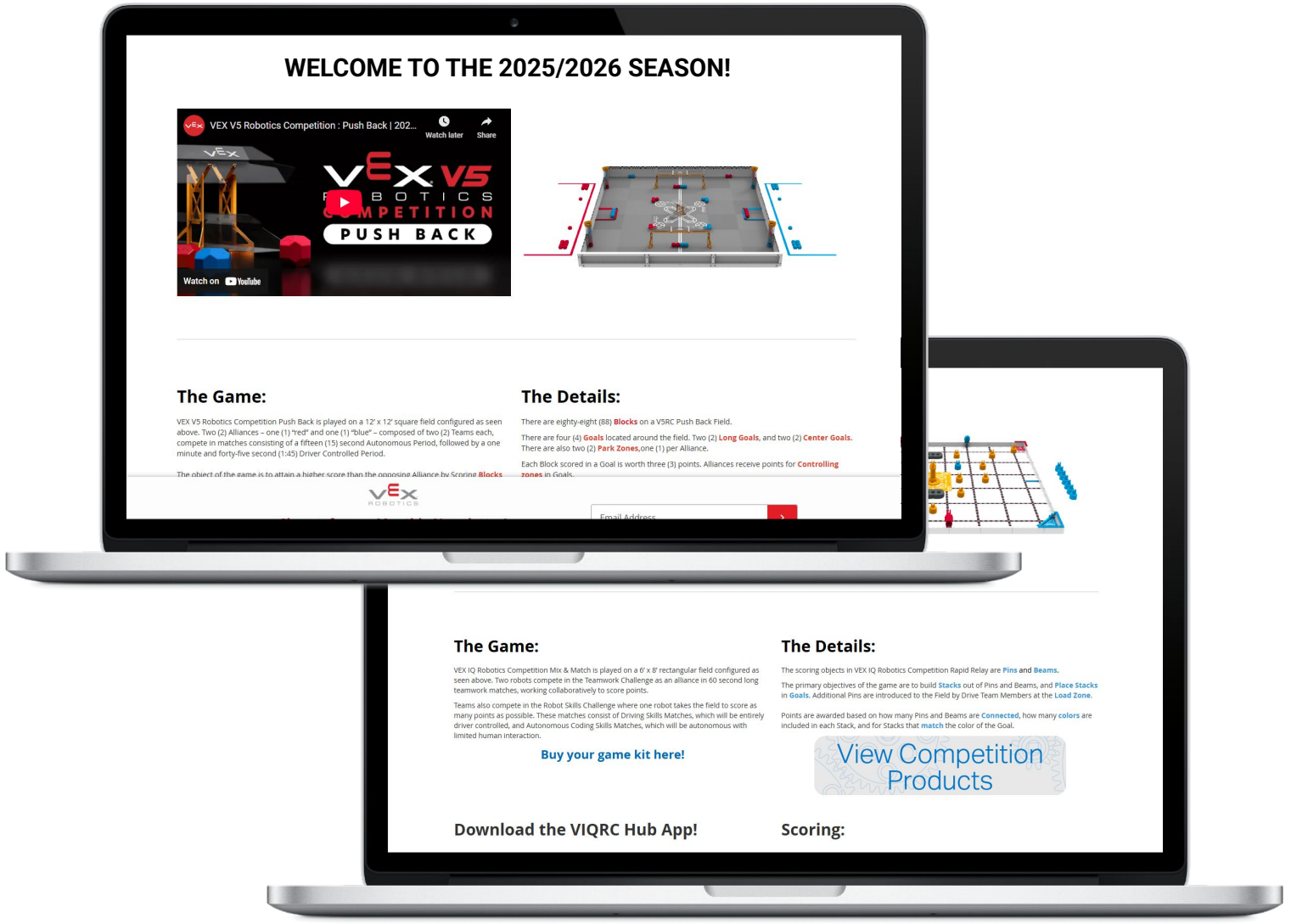
Located on Moodle platform at training.recf.org

- Courses on
  - Administrative Duties
  - Registration Procedures
  - Coaching Resources
- New Training Courses added throughout the season
- PD hours available

Weekly Coach Academy Office Hours Calls

- Discussion-based
- Deeper Dives Into
  - Monthly Webinar on Specific Topics
  - Moodle Courses
- Grants Teams Specific Open Office Hours

Drive Team Courses



VIQRC Drive Team Course

V5RC Drive Team Course

Location still TBA

04

Coach and Event Partner Training Webinars

Coach Training Webinars

- Monthly Online Meetings
- Season Relevant
- 1 hour long
- Often with Q&A time
- PD Hours available
- Register on RobotEvents.com

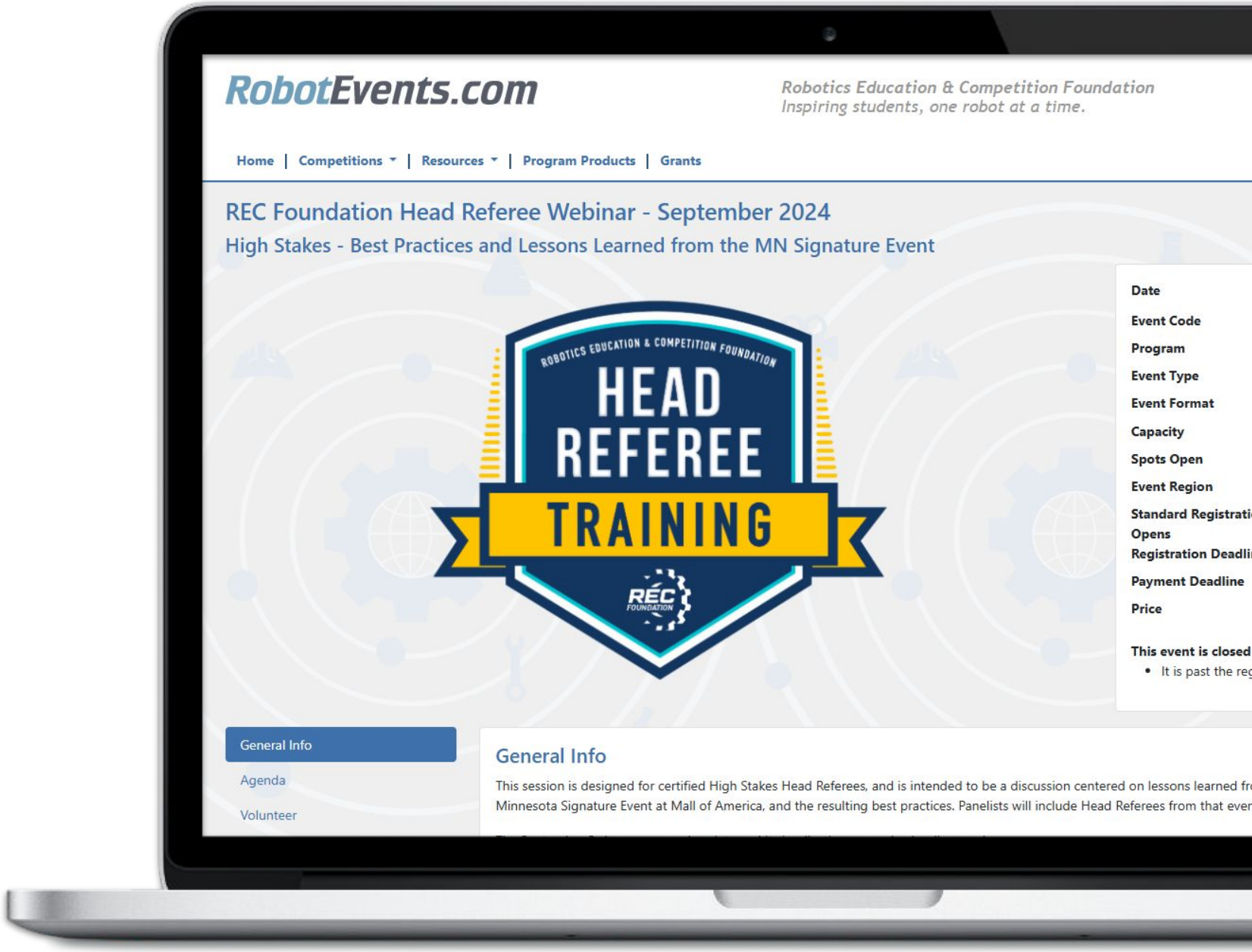
Coach & Event Partner Webinars

Event Partner Training Webinars

- Monthly Online Meetings
- Season Relevant
- 1 hour long
- Often with Q&A time
- PD Hours available
- Register on Robotevents.com

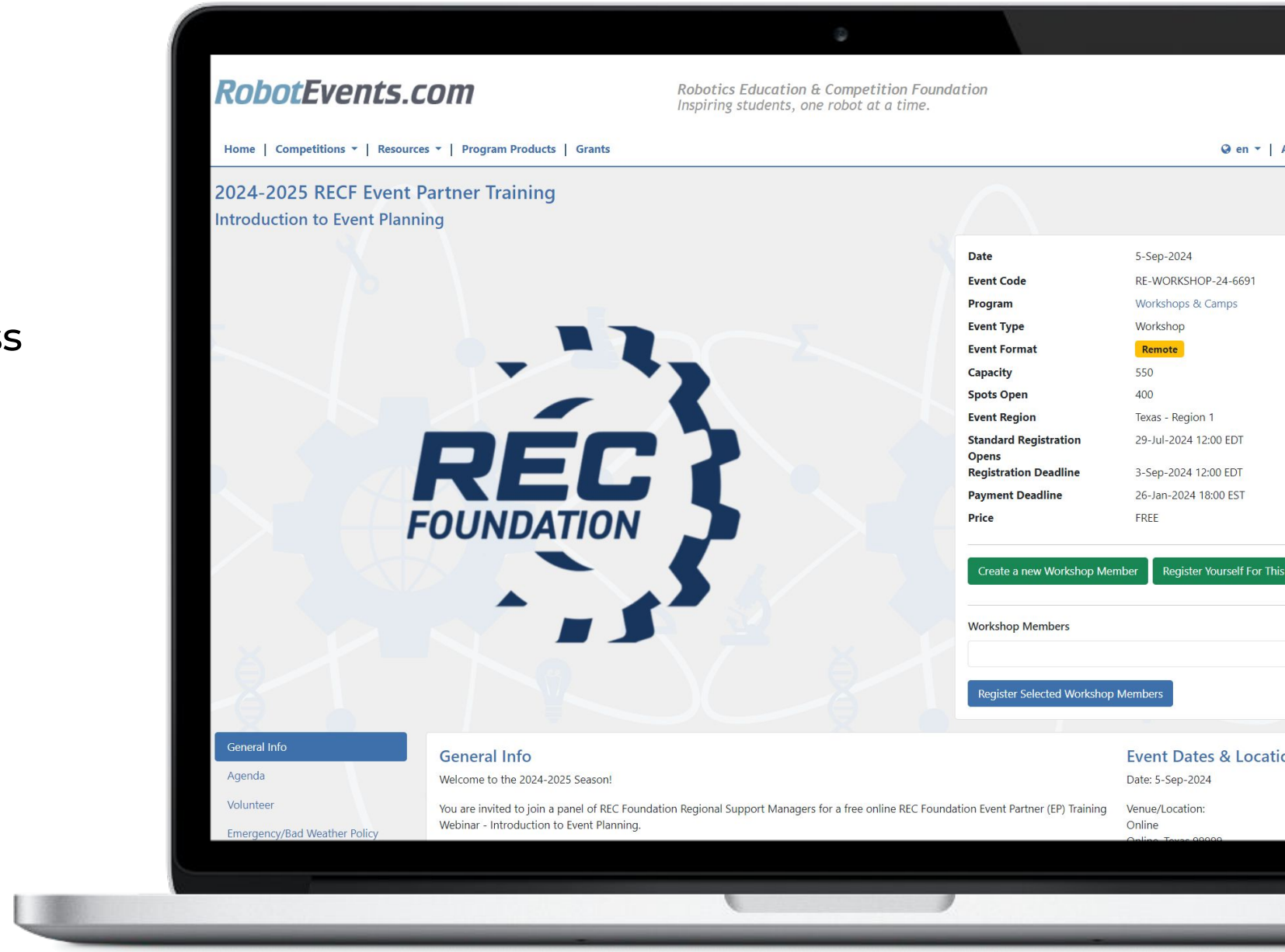
Head Referee Webinars

- Monthly Online Meetings
- Certified Head Referees only
- Discussing Best Practices
- 1 & 1/2 hour long
- Interactive
- Must be Certified Head Referee to be able to attend



Judging Webinars

- Monthly Online Meetings
- Explaining Judging Process
- Introducing New Judging Guidelines
- 1 & 1/2 hour long
- Interactive

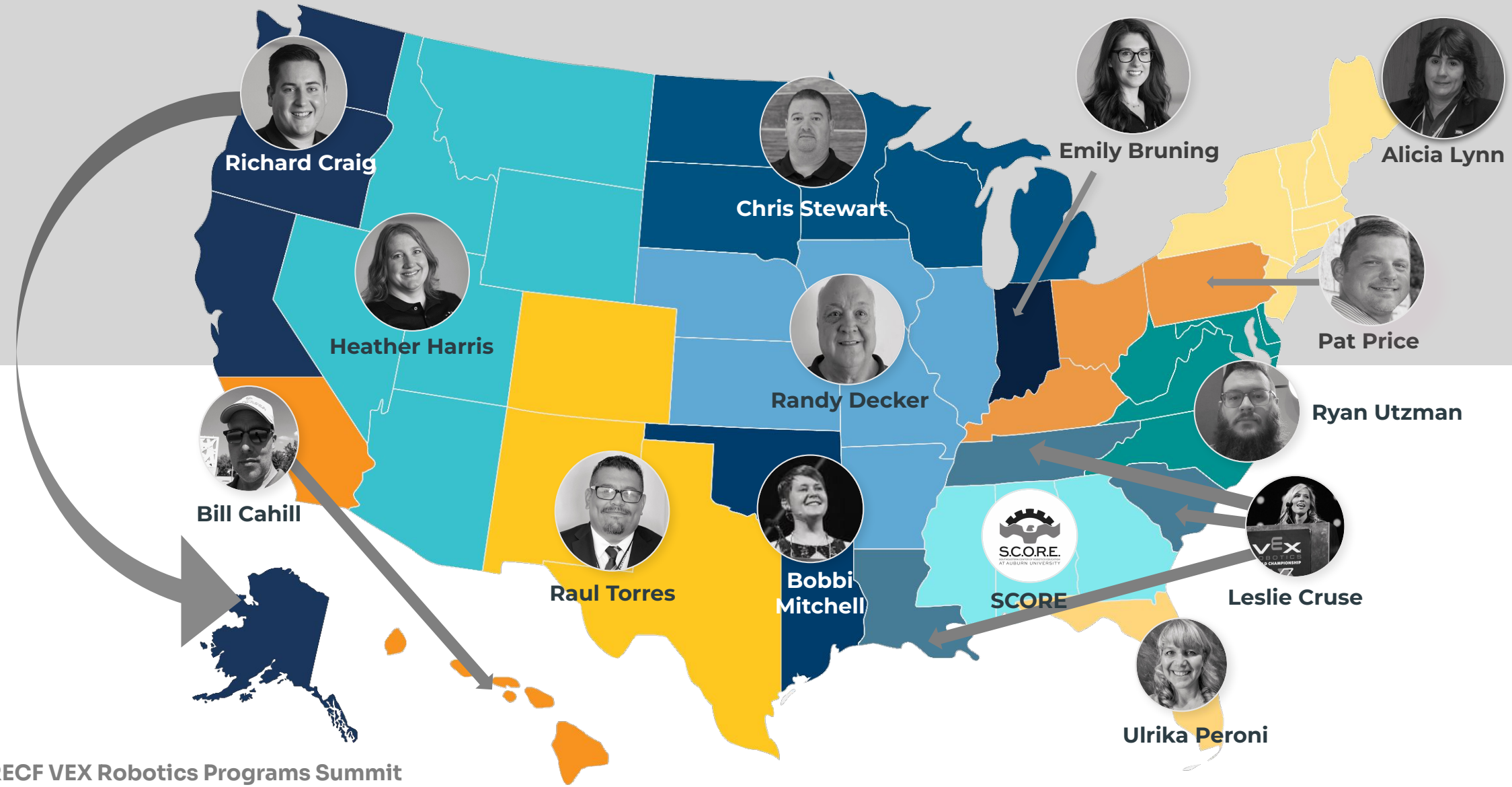


05

RSM Support

Manager Map

Regional Support



INTERNATIONAL MANAGER MAP

Regional Support

Richard Seniuk
Canada

Melissa Butterworth
Europe, Middle East, & Africa

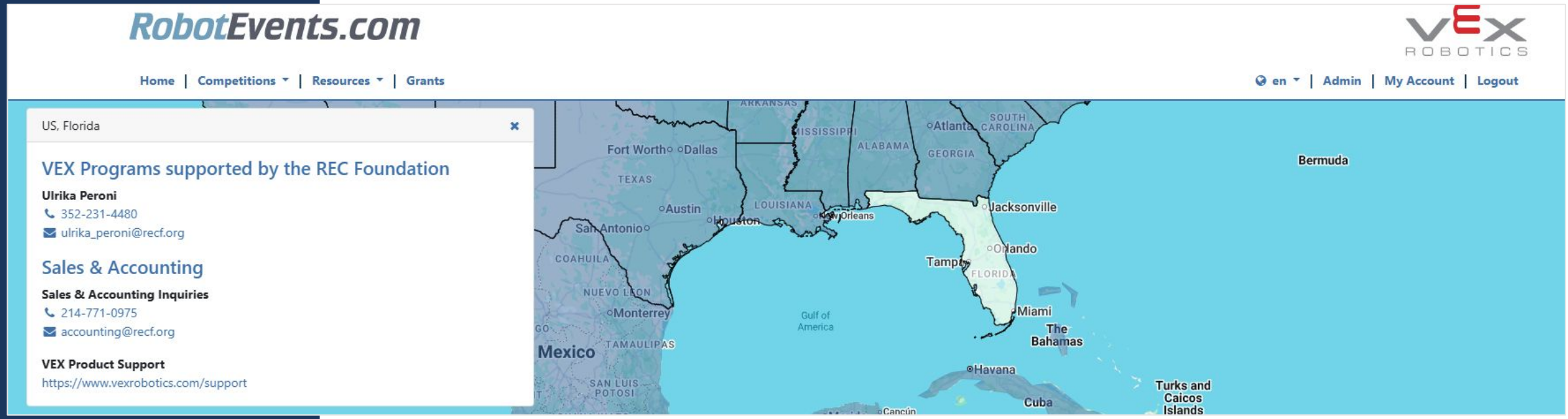
Jason Kang
Windy Zhang
Torres Wang
China

Karina Garcia
Mexico, Central America,
South America, & Caribbean

William Law
Asia Pacific

Lucien Bianchi
Australia & New Zealand

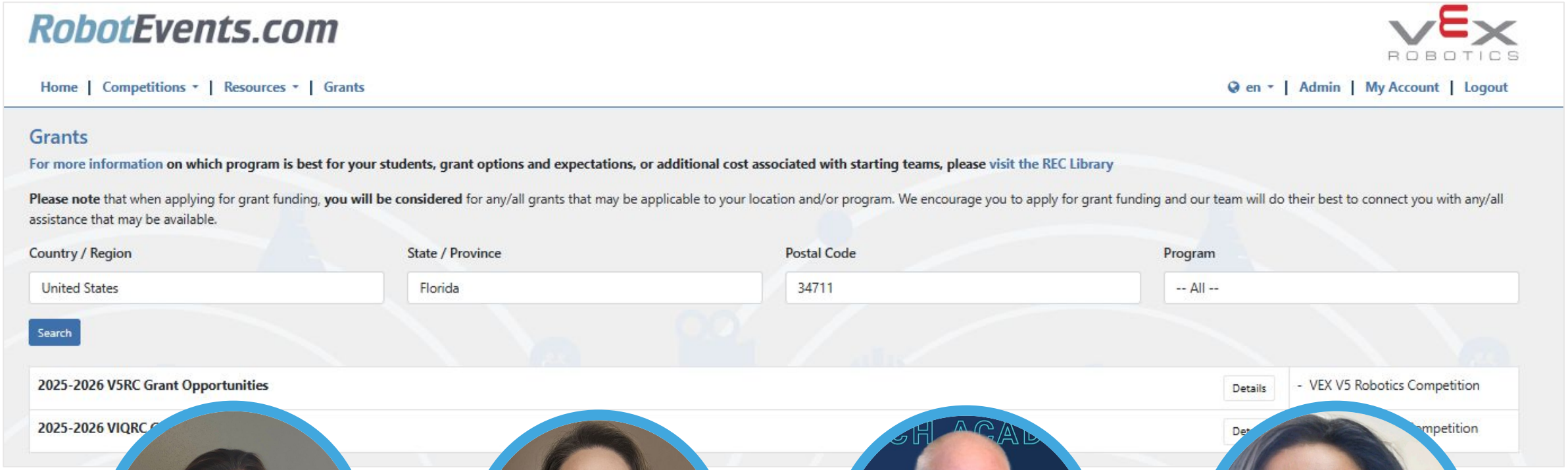
Contact & Changes



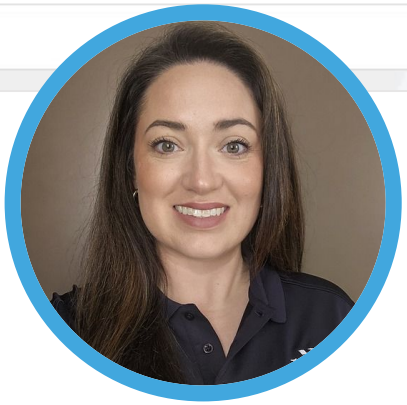
Find your RSM by going to **RobotEvents.com/support**

Submit any Changes by using the **Regional Support Request Form**

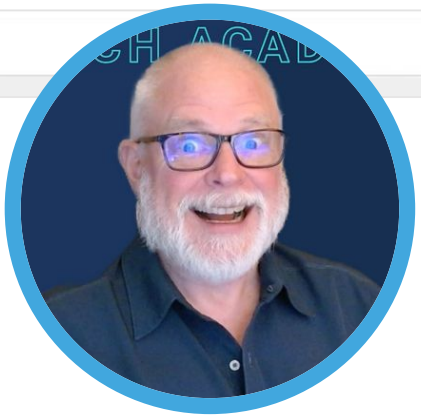
Grant Support Managers



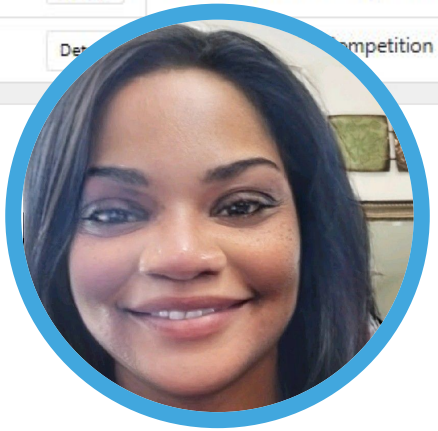
Diana Fultz



Emily Onorato



Gene Williams



Beverly Ver Steeg

Grant Process

1. Create an account on Robotevents.com
2. Complete a RobotEvents Interest Survey on Robotevents.com/Grants
3. Complete the Blackbaud.com Grant application.
   - Create an Account
   - Complete the application
4. A GSM will be in touch

For additional support, please email **grants@recf.org**

All primary coaches are eligible to apply, whether they are affiliated with a public or private school, non-profit, homeschool, or community organization.

Grant awards are determined based on sponsor requirements, which may vary by program, state, and age group.

RECF Grants

NCES.ed.gov

06
VEX Resources
HEWITT ROBOTICS

What is the Difference?

VEX Robotics

Creates the tools that educators and mentors will use to shape the learners of today into the problem-solving leaders of tomorrow

- Hardware & Software
- Product Sales & Support
- Game Design & Game Manual
- VEX Professional Development
- Classroom & Competition Resources
- VEX Library

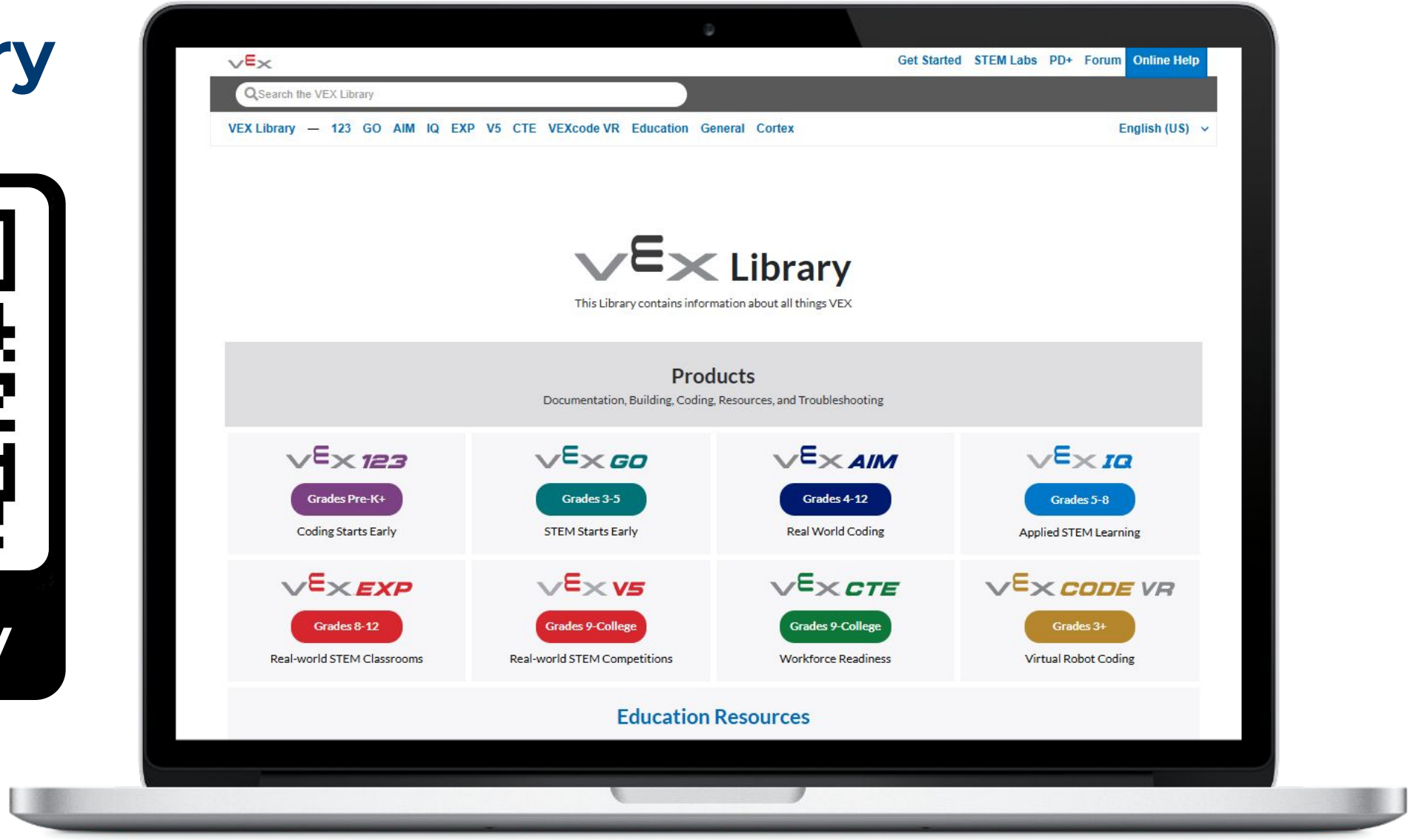
REC Foundation

Provides every educator with competition, education, and workforce readiness programs to increase student engagement in science, technology, engineering, math, and computer science

- Coach Support: Training & Workshops
- Event Support
- Event Partner Support: Training & Summit
- Grants and Fundraising Resources
- Qualifying Criteria
- Guide to Judging
- REC Library

VEX Library

VEX Library



Easily accessible from library.vex.com.

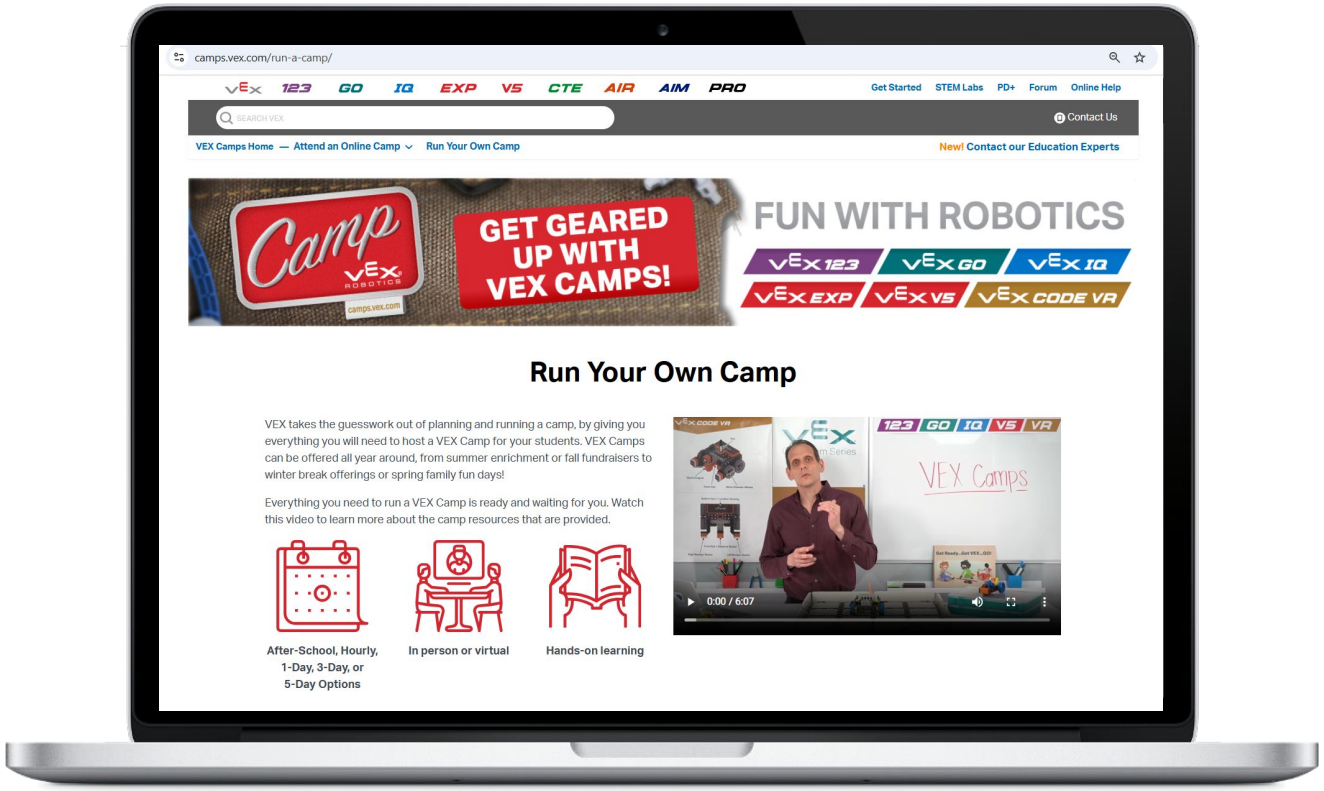
VEX Educational Resources

education.vex.com

- STEM Labs
  - Teacher Resources
  - Pacing Guides
  - Building a Team
- PD+
- VEX Forums
- VEXcode
  - vr.vex.com
  - switch.vex.com

VEX Education Resources

VEX Camp Resources

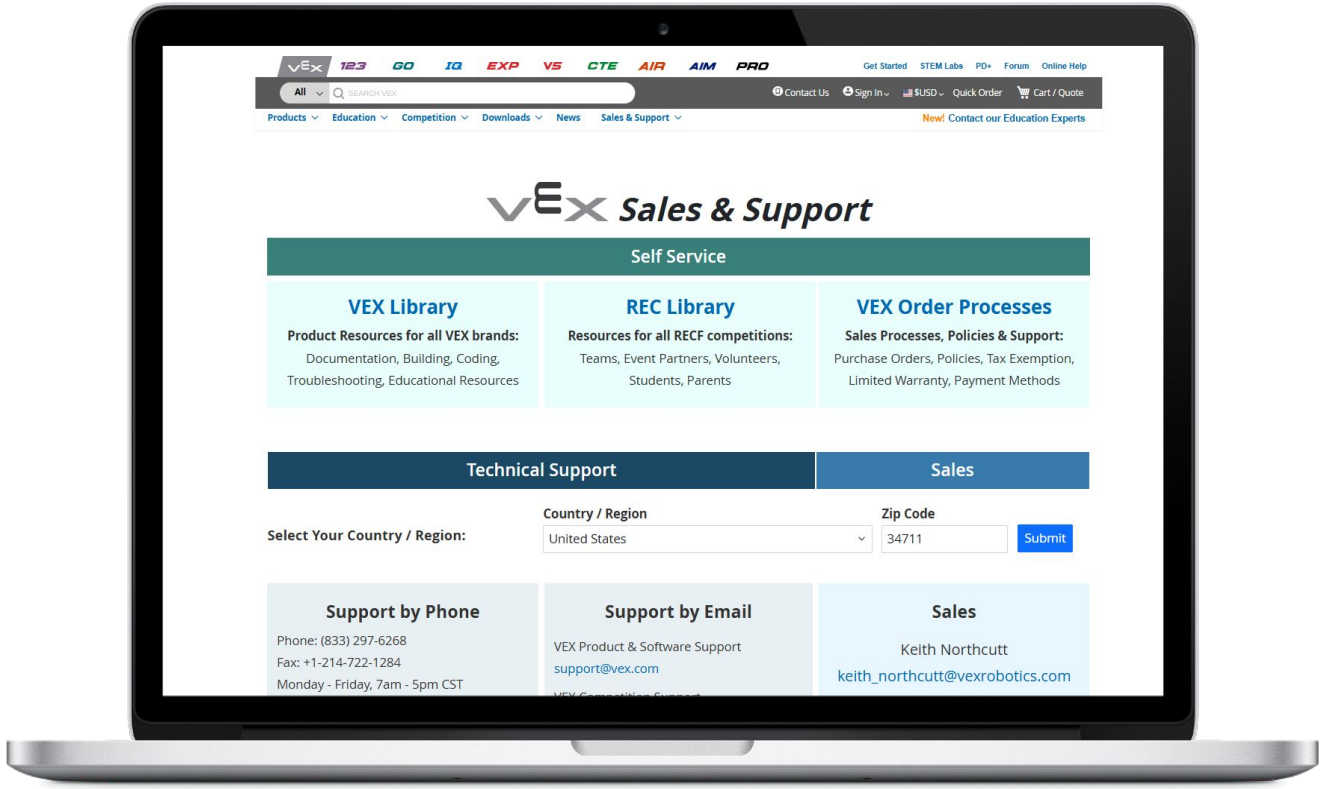


camps.vex.com

- Free Curriculum
  - After-School
  - Hourly
  - 1-Day
  - 3-Day
  - 5-Day
- In-person or virtual
- Hands-on learning

VEX Camps Resources

VEX Sales Representative



vexrobotics.com/support

- Individual Sales
- School Districts
- Add your zip code, find your local rep

VEX Support

VEXcode

Designed to make coding easy and engaging for everyone, from novice to expert

VEXcode Supports:

- Block-based coding: An intuitive, drag-and-drop way for students to build their projects
- Switch Blocks: VEX's solution to help support users through the blocks-to-text transition using Python
- Text-based coding: Python and C++

Resources:

- Hour of Code activities
- STEM Labs curriculum
- STEM Library documentation
- Professional Development Plus

07

Elevating Your Program

ONLINE CHALLENGES

NEW!!!

A different way to keep your students engaged in the classroom

- Cycle 1- Ignite
  - August - November
- Cycle 2 - Innovate
  - November - February
- Cycle 3 - Impact
  - August - February

Online Challenges

Additional Opportunities

International Robotics Honor Society	Alumni Association	Lettering & Rings	Internships	Scholarships

ALUMNI

INTERNSHIP

Scholarships

More than $110 Million Available

Industry Certification Benefits

Certifications = Opportunities

Many States provide funding for student-earned Industry Certifications.

Industry internships and Post-Secondary schools give favorable weighting to students with REC Foundation Certifications.

- Perkins Funds
- Career Development Funds
- Industry recruitment
- Students may earn college credits or course credits

Needs-Based Accommodations

Accommodation requests fall into three categories, and requests must be submitted a certain number of weeks before the test or event, as follows:

Industry Certification Testing	Minimum of 2 weeks before test
ASL Interpreter	Minimum of 12 weeks before the event
Game Event	Minimum of 4 weeks before the event

08

Discussion Session

- Student Centered / Code of Conduct
- RECF Resources
- VEX Resources
- Additional Resources
- What other resource would you like to see?

Contact

We are here for you

Event Partners and Coaches are the core of our competition program here at the REC Foundation. Please reach out to us with any questions or concerns. Thank you for all of your support.

Address

1519 Interstate 30 West
Greenville, Texas 75402

Phone & Email

903 401 8088
support@recf.org

Resources