

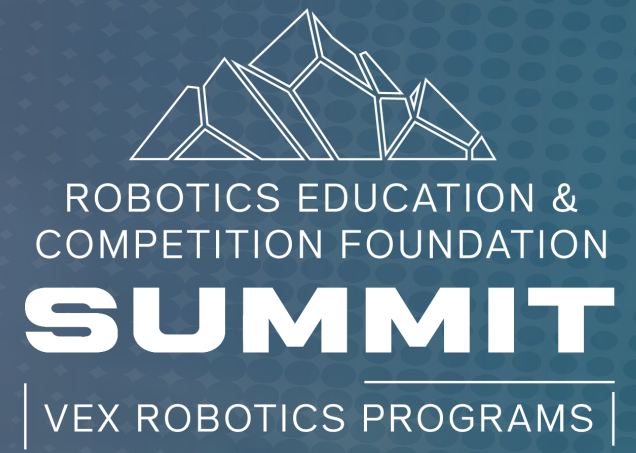
# VEX IQ Mix & Match

A discussion with members of the Game Design Committee

Presented by:

**Bailey Kahl & Michelle Lonsinger**

VEX Robotics Game Design Committee





# About Us



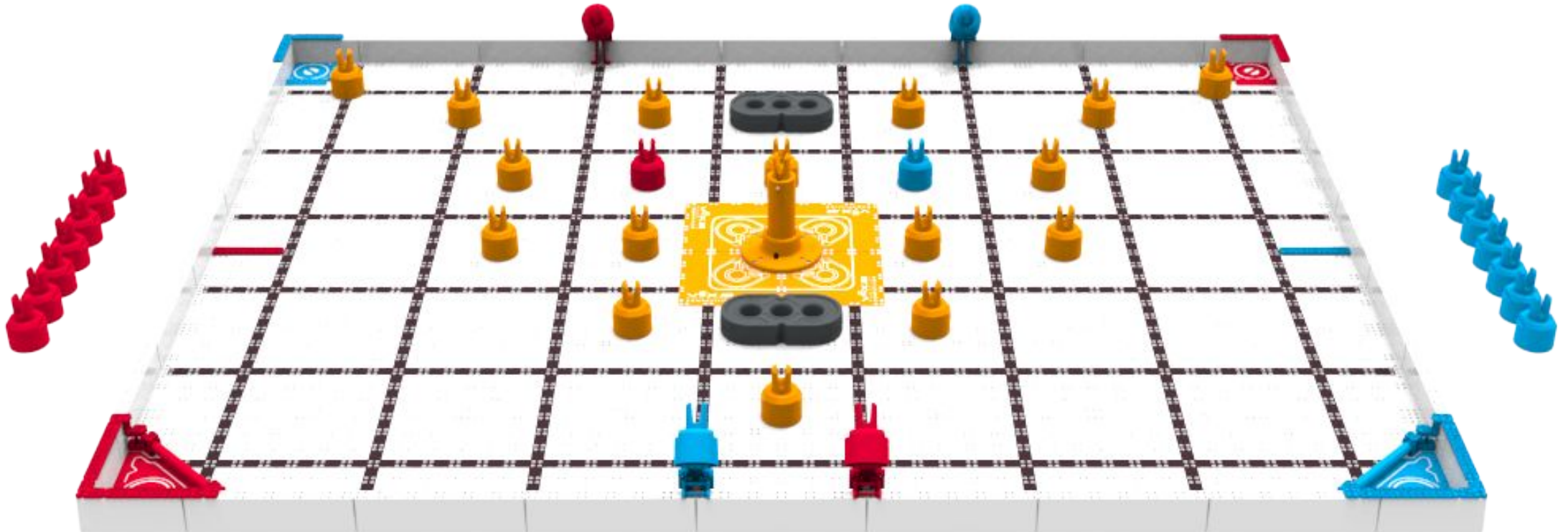
## VEX Robotics **Bailey Kahl**

- VEX engineer since 2022
- Former V5RC student and V5RC/IQ coach
- Born and raised in CT
- Lives in Fate, TX

## REC Foundation **Michelle Lonsinger**

- Started as an RECF contractor in 2021
- Former V5RC and VIQRC coach and EP
- Born in NV, raised in OK
- Lives in Mead, CO

# VIQRC Mix & Match





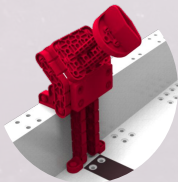
# Field Engineering

- > Visual interest and variety
- > Option to attach center goal with screws
- > Blend of IQ parts and custom elements



Range of Stakeholders

# Game Design Philosophy



## Event Partners

- Reasonable setup
- Exciting events



## Teams

- Fun to play
- Low floor, high ceiling



## Volunteers

- Easy to learn
- Fun to help with



## Spectators

- Fun to watch
- Variety of robots



# Hero Bot Design Constraints

- Provides a learning opportunity for emerging teams
- Inspires new, individual ideas
- Builds confidence and motivates teams to compete
- Robot can actively contribute to a match to minimize “sitting in a corner”
- Introduces sensors and programming
- Can be built with the parts in a VEX IQ v2 Competition Kit



# Help Us Help You!

Send your feedback, suggestions,  
and questions to us at  
**[gdc@vex.com](mailto:gdc@vex.com)**



# Open Floor

VEX IQ feedback, suggestions, questions, and discussions



## This conversation IS

- Open for questions and conversations
- Intended to solicit feedback and suggestions
- Time-constrained!



## This conversation IS NOT

- A formal “Q&A” with the GDC
- Rigidly scripted
- ... going to provide (m)any guarantees!



# 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.

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Greenville, Texas 75402

### Phone & Email

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[support@recf.org](mailto:support@recf.org)

