



Starting a Robotics Team / 2018 – 2019 SEASON

Steps to start a team

1. Learn about robot programs with your girls and parents
2. Identify team members and Register on eBiz before October
3. Attend Coaches Training and Pick up team materials
4. Begin season

Step One

Discuss and learn about the robot program options with your troop.

Involve parents to help with meeting support or to engage as volunteers for the end of season Expo/Tournament.

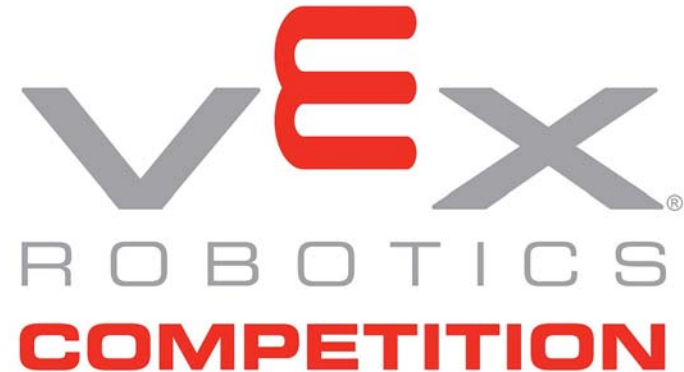
What robotic programs do GSNETX offer?



This year...



Coming soon!



What is FIRST Lego League Jr.?



FLL Jr. (ages 6-9) has simpler curriculum to follow and uses the Lego® WeDo 2.0 robot kit.

FLL Jr. teams does not compete but rather showcase their research project and robot model in an end of season Expo and can earn team awards.

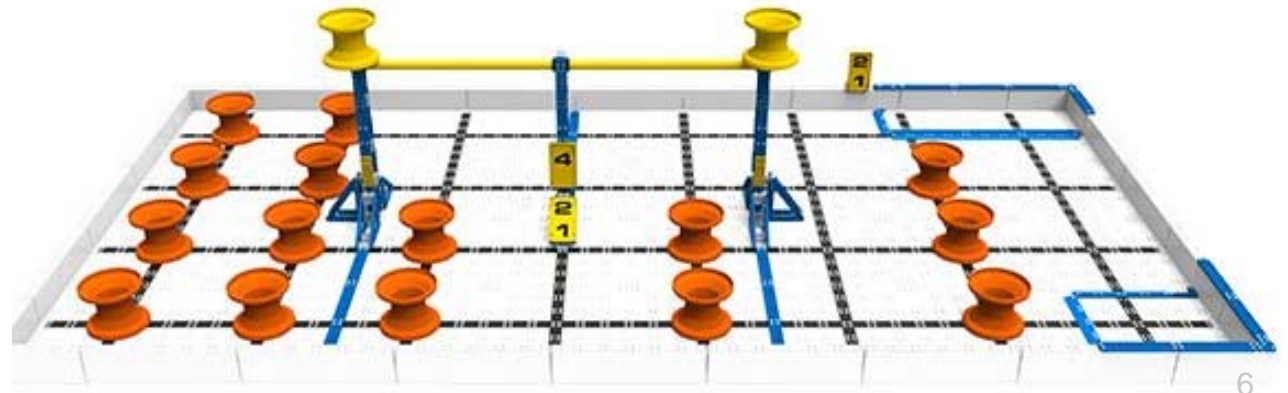


What is the VEX IQ Challenge?



VEX IQ Challenge (ages 8-14) features a robotics game and a research project using the VEX IQ Superkit.

VEX IQ Challenge is played on a 4'x8' table in Teamwork Challenges through both driver control and autonomous robot programming. Teams work to maximize their alliance score and compete in tournaments.



Which robotics program is for my team?



- FLL Jr. (ages 6-9)
- Grades 1st - 4th
- Daisies and Brownies*
- 4-6 Girls on a team
- Expo in March
- Coaches Mtg. in October
- 2 Coaches, and 1 Volunteer required



- VEX IQC (ages 8-14)
- Grades 3rd - 8th
- Juniors and Cadettes
- At least 2 Girls on team
- Tournaments in February
- Coaches Mtg. in September
- 2 Coaches, and 2 Volunteers required

*Brownies in 3rd grade are welcome to participate in the VEX IQ Challenge if prepared.

What is this years FLL JR. theme?



FIRST
LEGO
LEAGUE JR.



1. Explore!

What do you need to know about the Moon to live there?

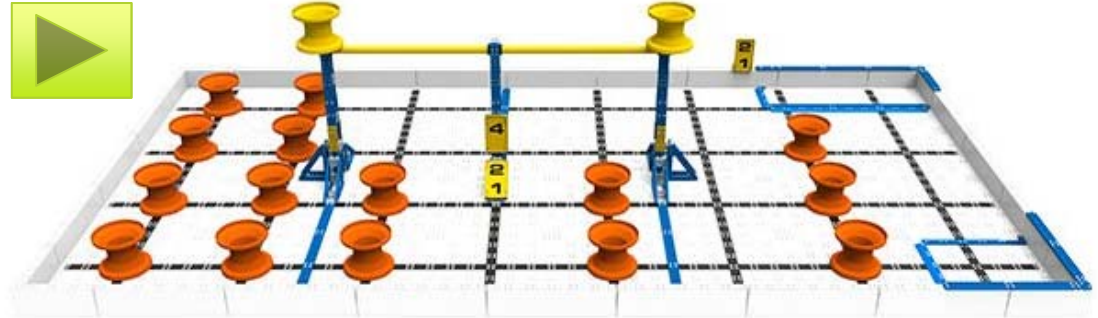
2. Create and 3. Test!

Design and build a Moon Base. Use the LEGO® rocket ship and Inspire Set to help you.

4. Share!

Make a Show Me poster. Use it and your Moon Base to share what you have learned with others.

What is this years VEX IQC theme?



VEX IQ Challenge Next Level is played on a 4'x8' 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.

The object of the game is to attain the highest score by Scoring Hubs in Building Zones, by Removing Hubs from the Hanging Structure, and by Hanging Robots at the end of the Match.

Step Two

Identify team members, adult volunteers, and adult coaches

Fill out Team Application

<https://goo.gl/forms/lqmZmfXcZf9bojrz1>

Register individual Girl Scouts on eBiz

What is the cost to have a team?

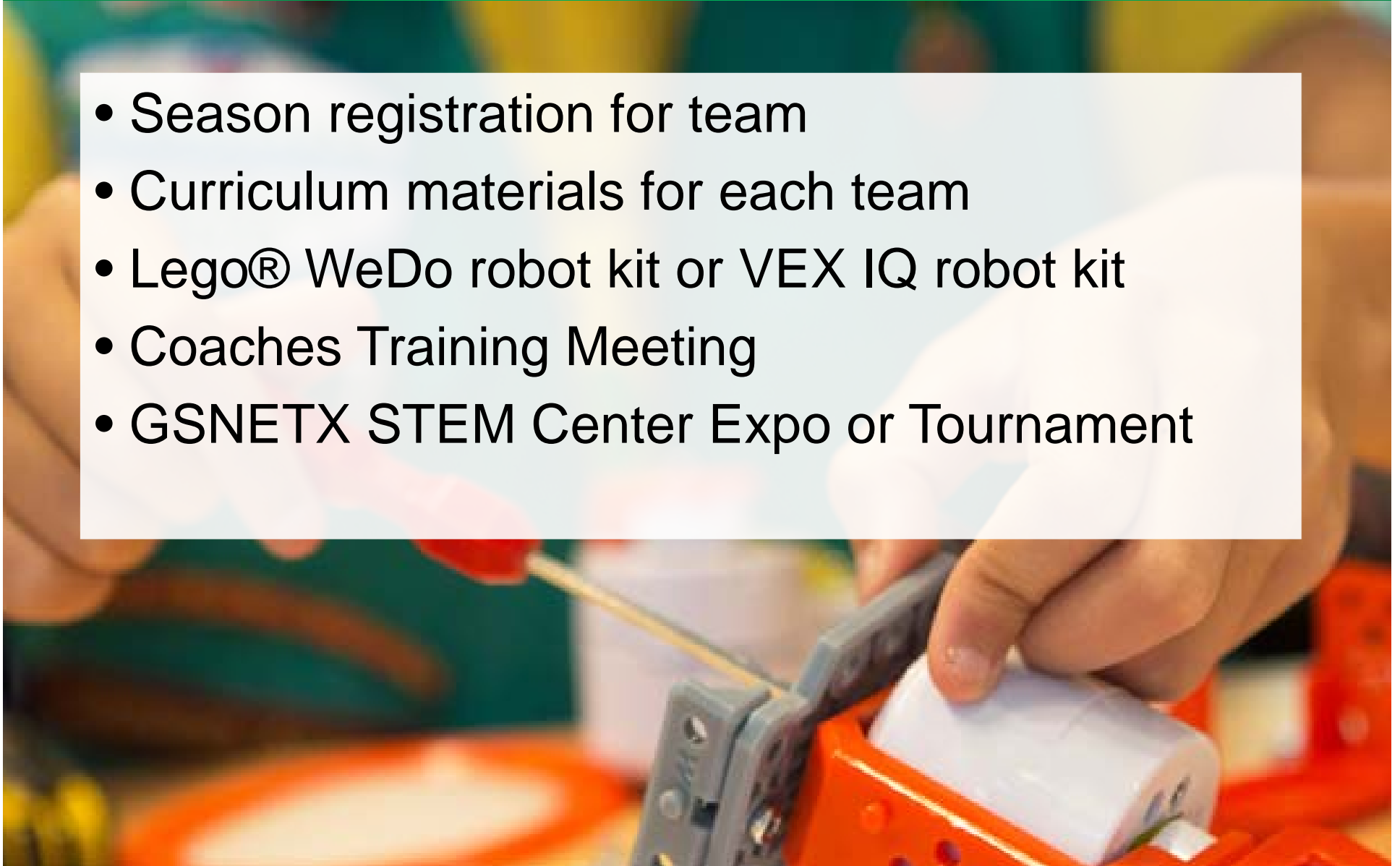
- **\$50 each Girl Scout**
- **Payments submitted through eBiz**
- **What if there are team members who cannot afford this cost?**
- **Financial Assistance** is available. See the **GSNETX** website to apply and for new policy.



What do you get with your registration?



- Season registration for team
- Curriculum materials for each team
- Lego® WeDo robot kit or VEX IQ robot kit
- Coaches Training Meeting
- GSNETX STEM Center Expo or Tournament



Coaches and Volunteers

Coaches / Who can coach a robotics team?



- **Any adult** can be a team coach
- This can be Girl Scout leaders, fathers, teachers, college students
- They must register with our council as a Girl Scout volunteer and pass background check
- Each team will need **two coaches**
- In addition, each team must provide two contacts for ***event day volunteers***



Event Day Volunteers / What does this role look like?

- Each team will need to provide **2 volunteer** contacts for Expo and Tournament days
- Less time commitment than Coaches role
- Will be on track to earning credit towards new Robotics Adult Volunteer Recognitions Awards program
- Many different volunteer roles available to choose from: judges, referees, scorekeeper...
- Training instructions and expectations will be communicated before event

Time Requirement from Teams and Coaches

- 10+ week curriculum
- Teams usually meet 1 ½ - 2 hours per meeting
- Coaches must attend the Coaches Training
 - FLL JR meeting on Saturday, October 20, 2018
 - VEX IQC meeting on Saturday, September 29, 2018
- End of Season
 - FLL JR. Expo on Saturday, March 23, 2019
 - VEX IQC Qualifying Tournament on
 - Saturday, February 9, 2019
 - Saturday, February 16, 2019

Step Three

Attend Coaches Training

FLL JR. meeting on October 20, 9 AM – 12 PM

- Review Lego® WeDo software and robot
- Information specific to this programs season

VEX IQC meeting on September 29, 9 AM – 12 PM

- Review VEX IQ Superkit and software options
- Information specific to this programs season



Step Four / Begin Season and HAVE FUN!

Questions?

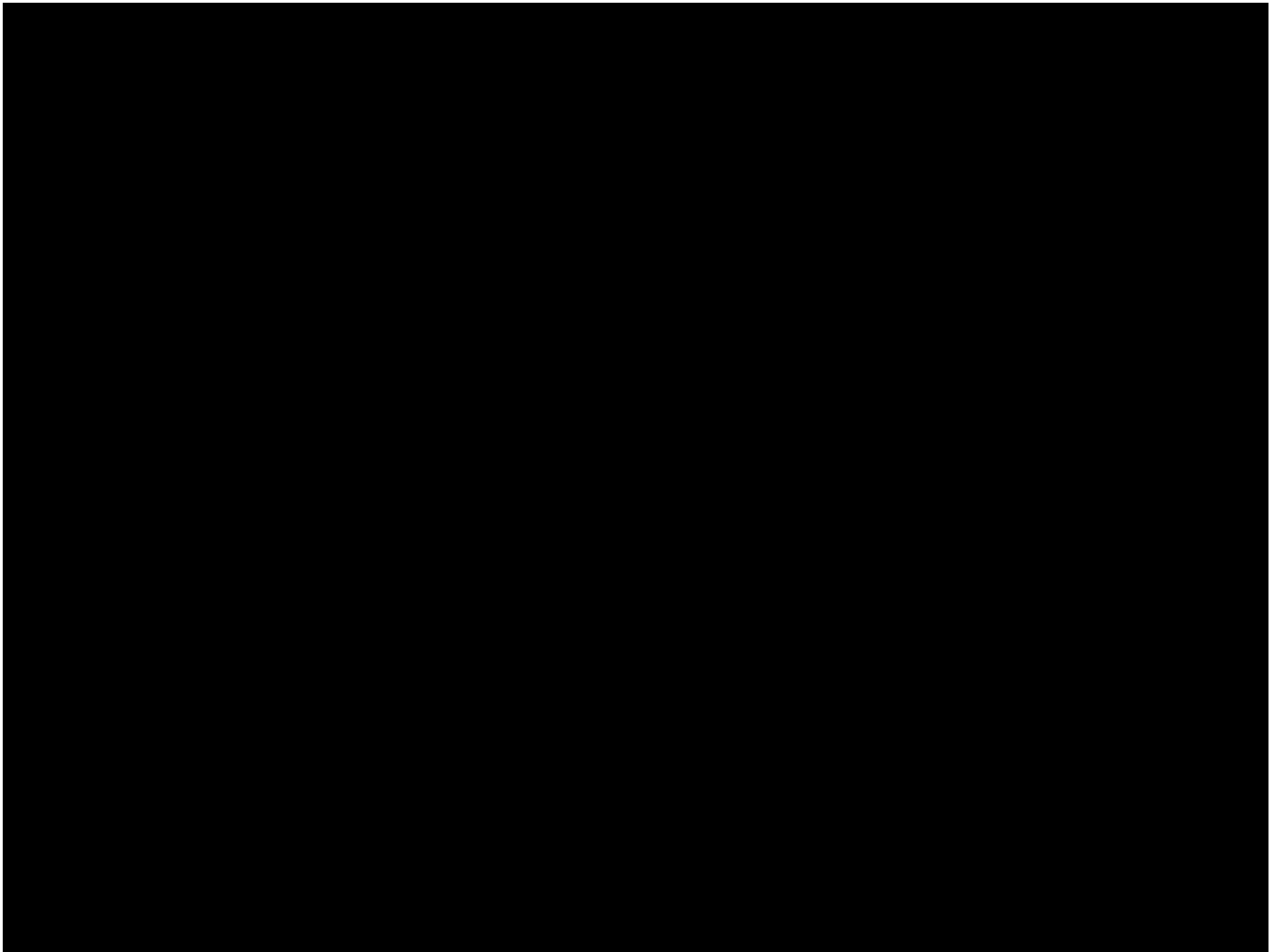
Catherine Lugo

Robotics and Engineering Programs Coordinator

clugo@gsnetx.org

stem@gsnetx.org

469-899-8864



Resources



FLL Junior Resources



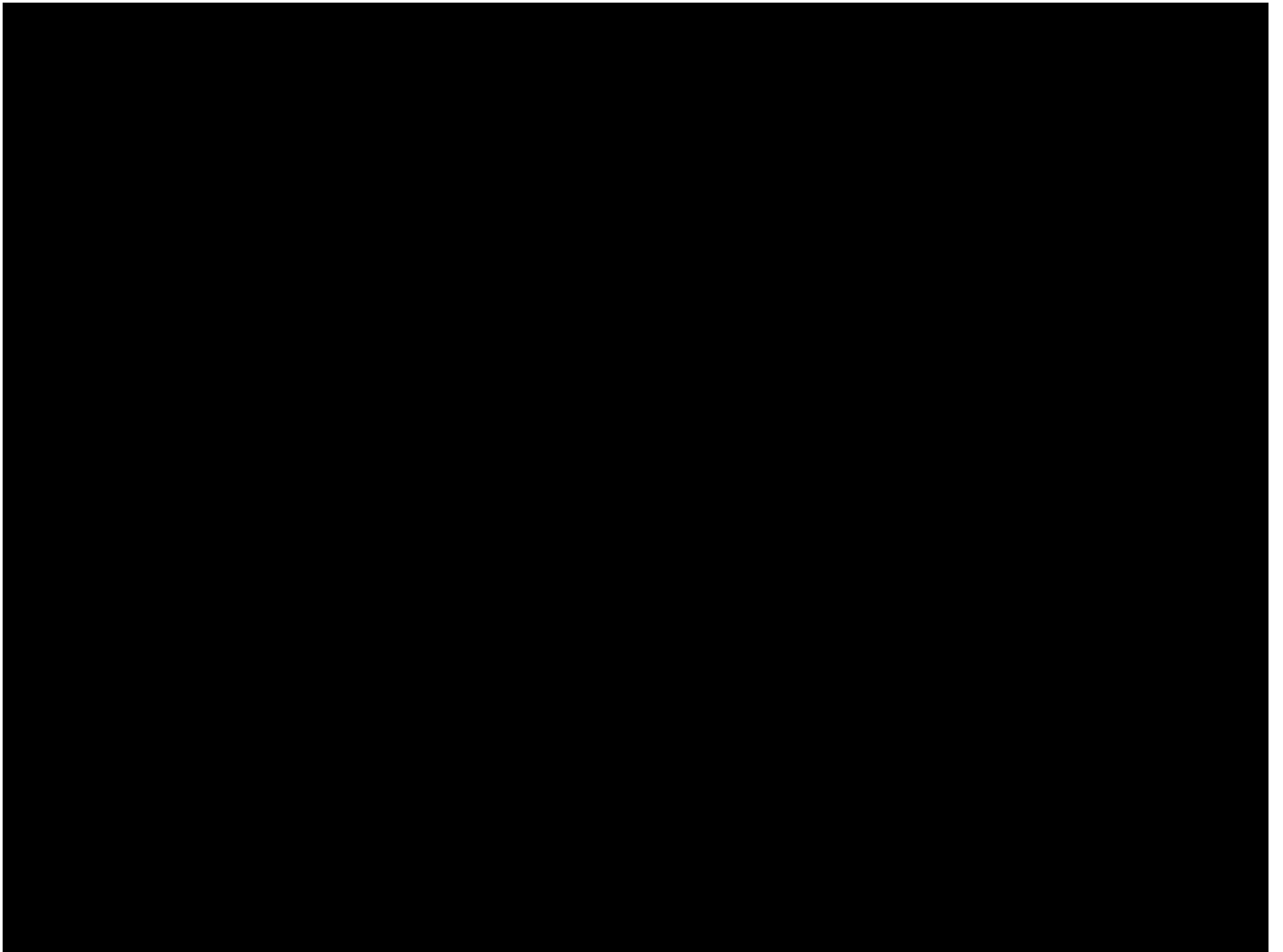
- [FLL Junior Website](#)
- [FLL Junior Team Basics](#)
- [FLL Junior Program Overview \(Video\)](#)
- [Resource Library](#)
- [Download WeDo 2.0 Software](#)
- [Free WeDo 2.0 Curriculum and Examples](#)
- [MISSION MOON session video walk-through](#)
- [Inspire Set Building Instructions & Elements Overview](#)
- [Event Search – Additional Expos](#)



VEX IQ Challenge Resources



- [VEX IQ Challenge Website](#)
- [VEX IQ Challenge Game \(Video\)](#)
- [VEX IQ Challenge Game Manual](#)
- [VEX IQ Competitive Team Resources](#)
- [Official Q&A Forum – Current Game](#)
- [Free Robot Designs and Build Instructions](#)
- [Free VEX IQ Software Options](#)
- [Download RobotC](#) *Recommended: Graphical RobotC



Addendum Slides

What badges will she be earning?

