Everything You Wanted to Know About Starting a Robotics Team But Were Afraid to Ask

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Understanding the Challenge

Get the Goods

Starting a team requires a set of specialized equipment, training, tinkering, and registration with the league.

Assemble the Team

How do you know who to recruit?

Who is there to help?

What is going on!?!? (panic is totally normal)

Get Roboting!

Get out there and compete!

Get the Goods

Knowing what you're getting into can either ease your mind or cause more anxiety.

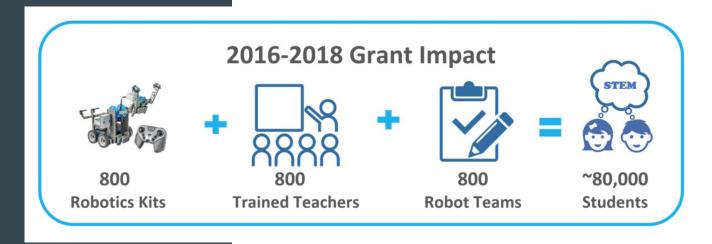


The State Robotics Initiative (SRI) is a collection of grant funds managed by TechPoint Foundation for Youth that provides schools with robotics kits and resources to establish teams.



Is it making a difference?

Totally



TechPoint for Youth has an incredible amount of resources available online.



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WHO WE ARE

WHAT WE DO

CODERDOJO

Robotics

ABOUT THE STATE

APPLY FOR ROBOT

ROBOTICS COMPETITIONS

ROBOT RESOURCES

ROBOT MAP

FAQ

PARTNERS

ROBOT RESC

Below we have listed several valuable resources that we expand)

ROBOT COACHING RESOURCES +

TEAM RELATED

- VEX IQ CHALLENGE TEAM PAGE
- HOW TO ORGANIZE A TEAM
- HOW TO REGISTER A RETURNING TEAM
- HOW REGISTER AN ADDITIONAL TEAM
- Logos to use for Marketing Materials

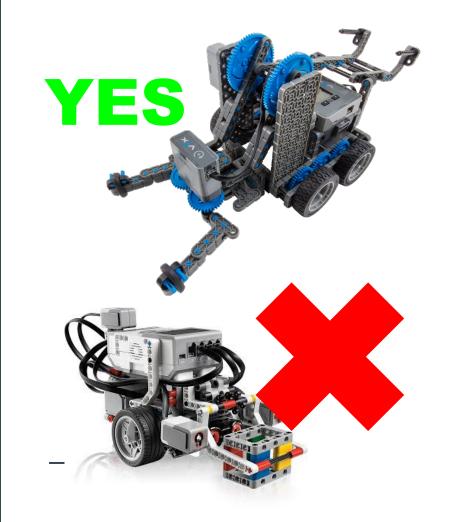
CLASSROOM RELATED

- VEX IQ CURRICULUM
- VEX IQ CURRICULUM STANDARDS MAPPING
- ROBOTICS EDUCATION GUIDE

Just so you know: It's NOT First Lego League (FLL).



It's a different competition, different league, different pieces.



Just so you know:

It's NOT Battlebots.



In tournament play, teams are randomly paired.

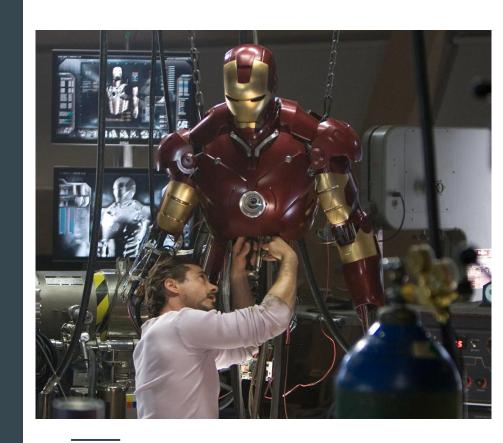


Cooperation is rewarded.

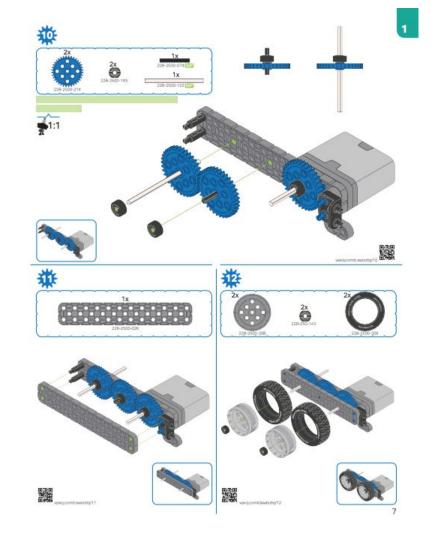


Just so you know:

Building the robot does NOT require an engineering degree.



VEX IQ build instructions come with the kits, and alternative build plans are available online (often with video tutorials).



Just so you know:

Your best bet is to buy the VEX IQ Super Kit from the source. It's \$329.99 vexrobotics.com



With the "brain" and controller directly from VEX Headquarters in Texas.



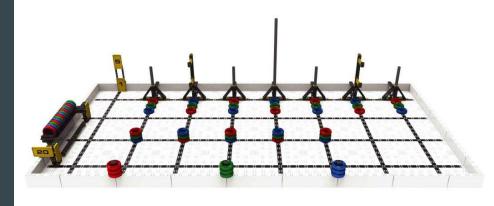


A similar set may be cheaper on amazon.com for \$277.73, BUT It *might* not be competition compliant.



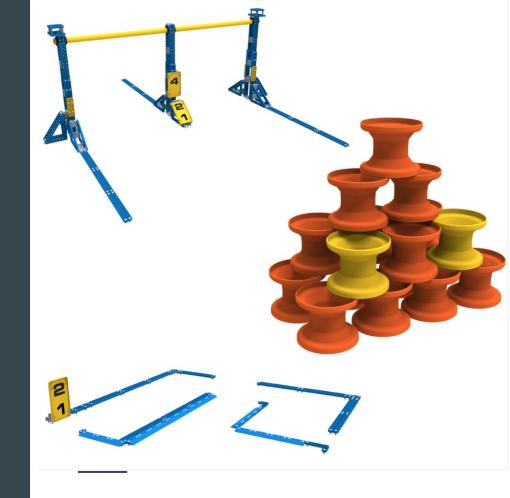
The 2017-18 game was Ringmaster.

The 2018-19 game is called Next Level.

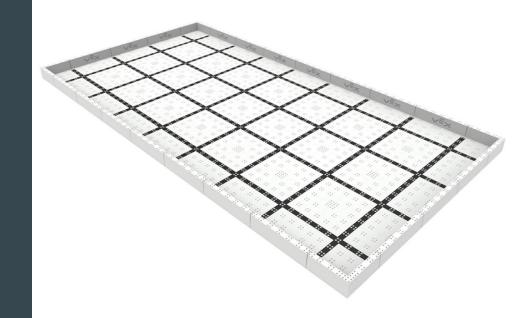




Each year, \$99 must spent on game pieces

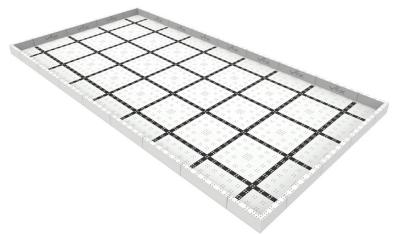


Teams should make a one-time purchase of \$99 for a Field Perimeter and tiles

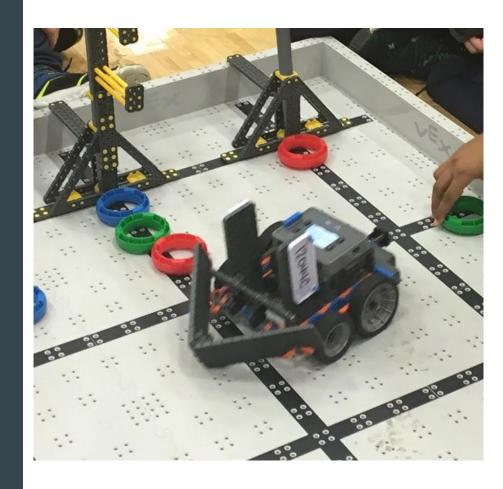


As an incentive to host a Tournament, TPFY offered an additional grant award of a field perimeter and game pieces.





Team Registration: Each robot must be issued a team number - \$100 fee - through REC Foundation.



SRI Grant covers the cost of the first team's registration.



Registration for Tournament play costs \$20-\$30 per competition per team.



Tournaments are NOT calm and quiet.



There's cheering, clapping, and signs.

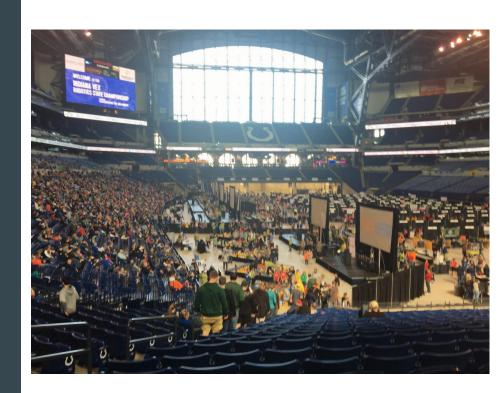




In order to be eligible for State, a robot must compete in at least 2 official **VEX IQ** tournaments.



Registration for **VEX IQ State** Qualification \$250 per team Indianapolis, IN



Registration for **VEX IQ World** Championship \$975 per team Louisville, KY



Assemble the Team

Find a good mix of students serve many team roles:

Research
Building
Promotion
Driving



It takes years to build a great team really competitive teams have been at it for years.



Who wants to be on the Robotics Team?



Everyone.
But not everyone is a good fit.



Who do YOU want to be on the Robotics Team?

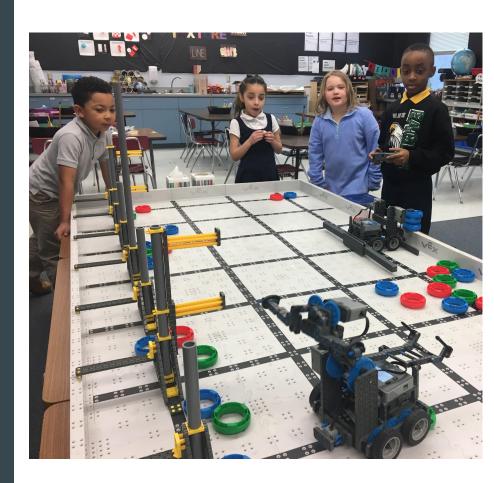




Students whose families are supportive and will provide transportation to tournaments.



Students who can cooperate and follow directions.



Students who talk about building Lego sets.

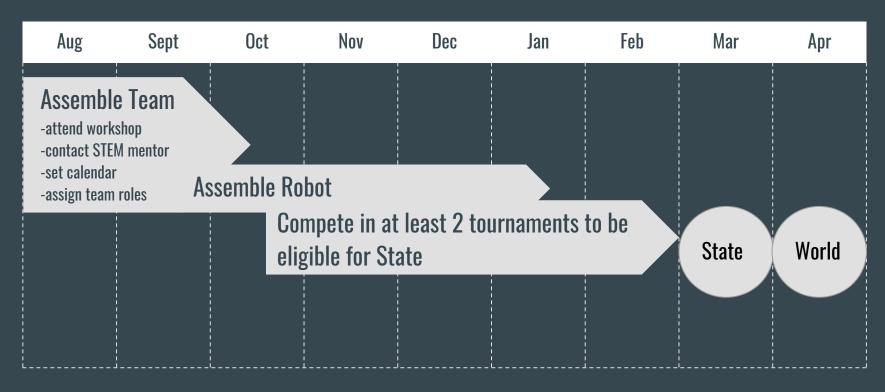


Students who aren't scared to tinker.





Team and Competition Schedule



You'll have to advocate for your team to get funding, recognition, a following,



The learning curve is steep. It's a new world.



Coaches, mentors, and advisors are incredibly nice and willing to help.



Should you do it?

Yes.

