



SKYSTONE

PRESENTED BY Qualcomm



Missouri/Kansas Kickoff 2019-2020



**Robert Dumler
Ken Pugsley
Jeff Ousley
Jared Fordham
Dan Justice
Jeff Grisham
Rory Smith
Abhinav Tilwar
Glenn Crocker
Robert Crance
Collin Robinett**

St. Louis Team

Laura Roth
Susie Mathieu
Tom Mc Govern
Robin Lady

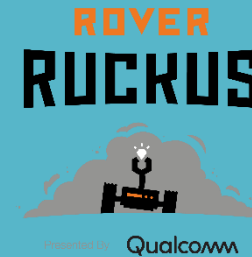


Today's Agenda

- ROVER RUCKUS Season Highlights
- SKYSTONE Season Overview
- Kickoff Video
- Onsite Game Field Reveal
- Field Element Giveaway
 - one per team w/ RSVP



Numbers From



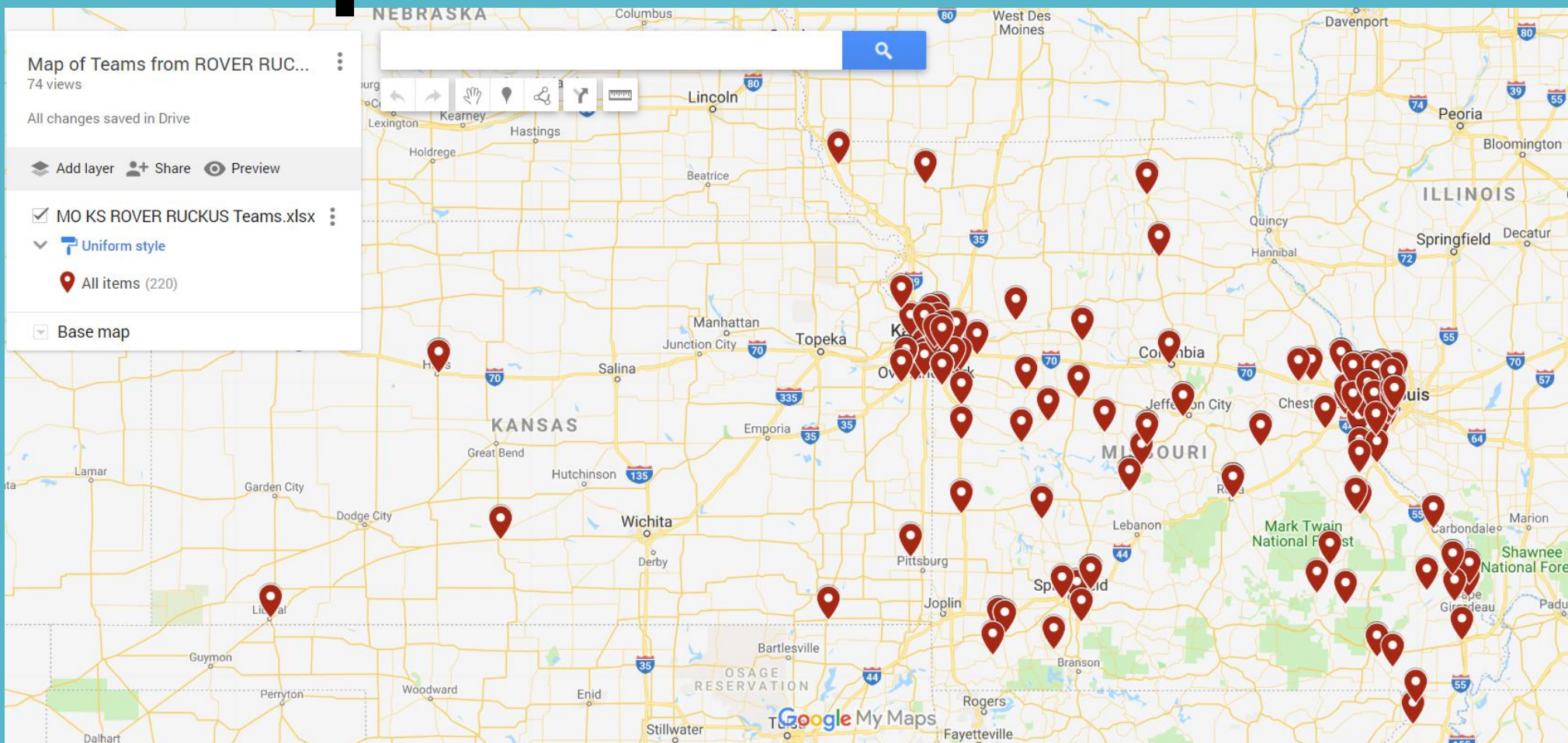
Events Run

- 36 Meets
- 7 Qualifiers
- 2 Conference Qualifiers
- 1 - 48 team Championship

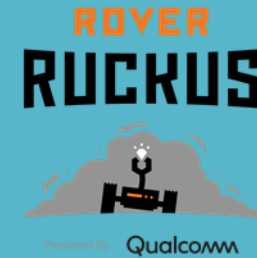
Teams Served

- 215 Total
- 190 Missouri
- 24 Kansas
- 1 Tennessee (Memphis)





Recognition From



Volunteer of the Year

- Jeff Ousley – FTA

Compass Award Winner

- Christina DeMuri – Team 9099 Ritenour Robohounds

Promote Award Winner

- Team 6507 Cobalt Colts



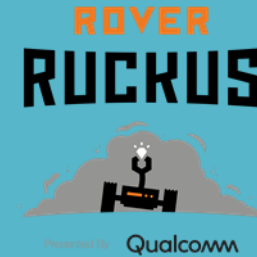
Dean's List Finalists



- Katherine Kostecki, 2408 – Shrapnel Sergeants
- Meagan Murry, 7547 – JoeBotics
- Phillipe Realina, 10127 – Tesla's Knights
- Ethan Voss, 9808 – Team Chargers



Our Inspire Award



Winner

3409 - Astromechs, Kansas City Robotics Foundation

2nd Place

3664 - Girls With Attitude, Chaffee Industrial Arts & Technology

3rd Place

4587 – The Red Hot Techie Peppers, LEARN



Our Advance to Houston



3409 – Astromechs

3664 – Girls with Attitude

4964 – Rolla Patriots

7357 – Team Titanium Tech

10265 - Force Green

3658 – The BOSONS

4587 – Red Hot Techie Peppers

6547 – Cobalt Colts

8461 – Elementary My Dear Botson

NOTE: \$2,000 entry fee covered by Missouri grant



Also in Houston



9792 – GSA RoboNERDS
Advanced from Arkansas Championship

288 – Spare Parts
Advanced from *FIRST* Waitlist (waitlist also available 2019-2020)

NOTE: \$2,000 entry fee NOT covered by Missouri grant



Team Titanium Tech (7357) Wowed the Judges in Houston!!

- Collins Aerospace Innovate Award Winners!
- That's what they won at MO Championship!



Cobalt Colts (6547) Rode to Success in Houston!!

- Members of the Winning Alliance!
- Inspire Award Finalists!
- Got to play the finals on Minute Maid Field!



Now.....2019-2020

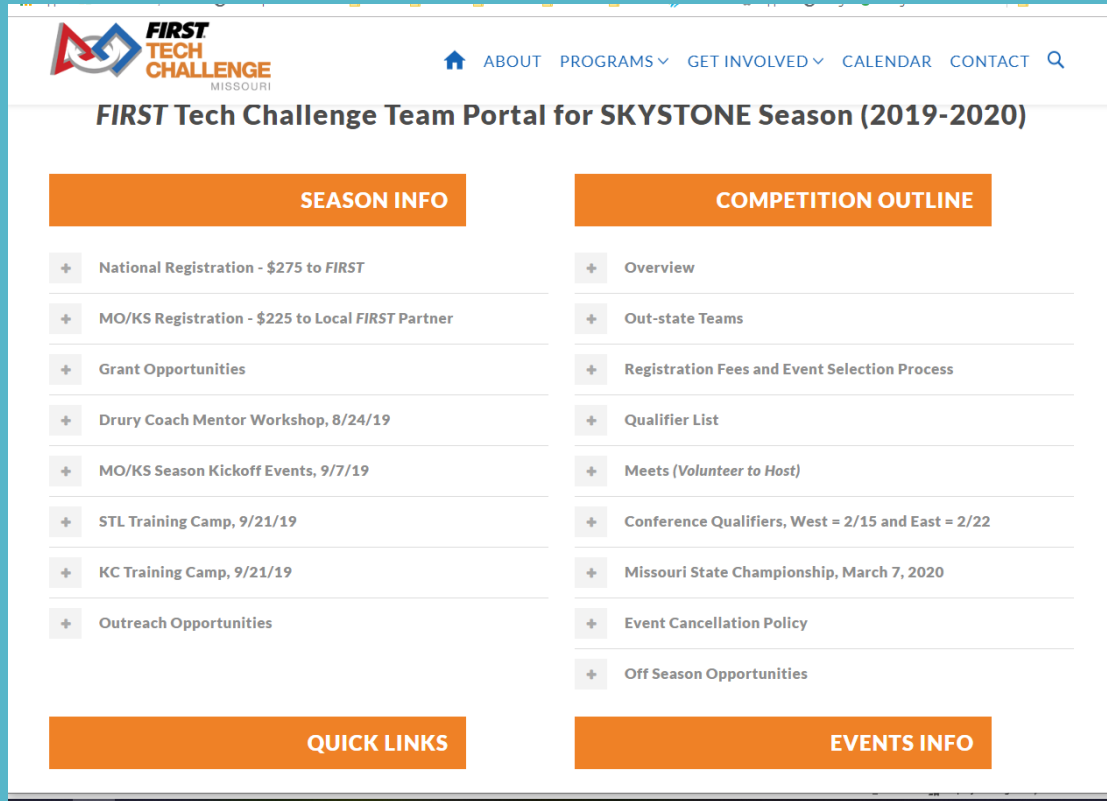


How to Know What's Happening

- Someone has to keep up with all news!
- Coach is automatically receiving news from HQ and MO.
- We are happy to share the MO/KS news with everyone.
- Here are our methods of communication:
 - Our Team Portal Website
 - Our Newsletter
 - Our Social Media
 - MOFTC Scores Website



Our Team Portal Website



The screenshot shows the FIRST Tech Challenge Team Portal for SKYSTONE Season (2019-2020). The page has a white background with orange accents. At the top left is the FIRST Tech Challenge Missouri logo. To its right is a navigation bar with links: ABOUT, PROGRAMS, GET INVOLVED, CALENDAR, and CONTACT, followed by a search icon. Below the navigation bar is a header section with the title "FIRST Tech Challenge Team Portal for SKYSTONE Season (2019-2020)". The main content area is divided into four columns. The first column is titled "SEASON INFO" and contains a list of items: National Registration - \$275 to FIRST, MO/KS Registration - \$225 to Local FIRST Partner, Grant Opportunities, Drury Coach Mentor Workshop, 8/24/19, MO/KS Season Kickoff Events, 9/7/19, STL Training Camp, 9/21/19, KC Training Camp, 9/21/19, and Outreach Opportunities. The second column is titled "COMPETITION OUTLINE" and contains a list of items: Overview, Out-state Teams, Registration Fees and Event Selection Process, Qualifier List, Meets (Volunteer to Host), Conference Qualifiers, West = 2/15 and East = 2/22, Missouri State Championship, March 7, 2020, Event Cancellation Policy, and Off Season Opportunities. The third column is titled "QUICK LINKS" and is currently empty. The fourth column is titled "EVENTS INFO" and is currently empty.

FIRST Tech Challenge Team Portal for SKYSTONE Season (2019-2020)

SEASON INFO

- National Registration - \$275 to FIRST
- MO/KS Registration - \$225 to Local FIRST Partner
- Grant Opportunities
- Drury Coach Mentor Workshop, 8/24/19
- MO/KS Season Kickoff Events, 9/7/19
- STL Training Camp, 9/21/19
- KC Training Camp, 9/21/19
- Outreach Opportunities

COMPETITION OUTLINE

- Overview
- Out-state Teams
- Registration Fees and Event Selection Process
- Qualifier List
- Meets (Volunteer to Host)
- Conference Qualifiers, West = 2/15 and East = 2/22
- Missouri State Championship, March 7, 2020
- Event Cancellation Policy
- Off Season Opportunities

QUICK LINKS

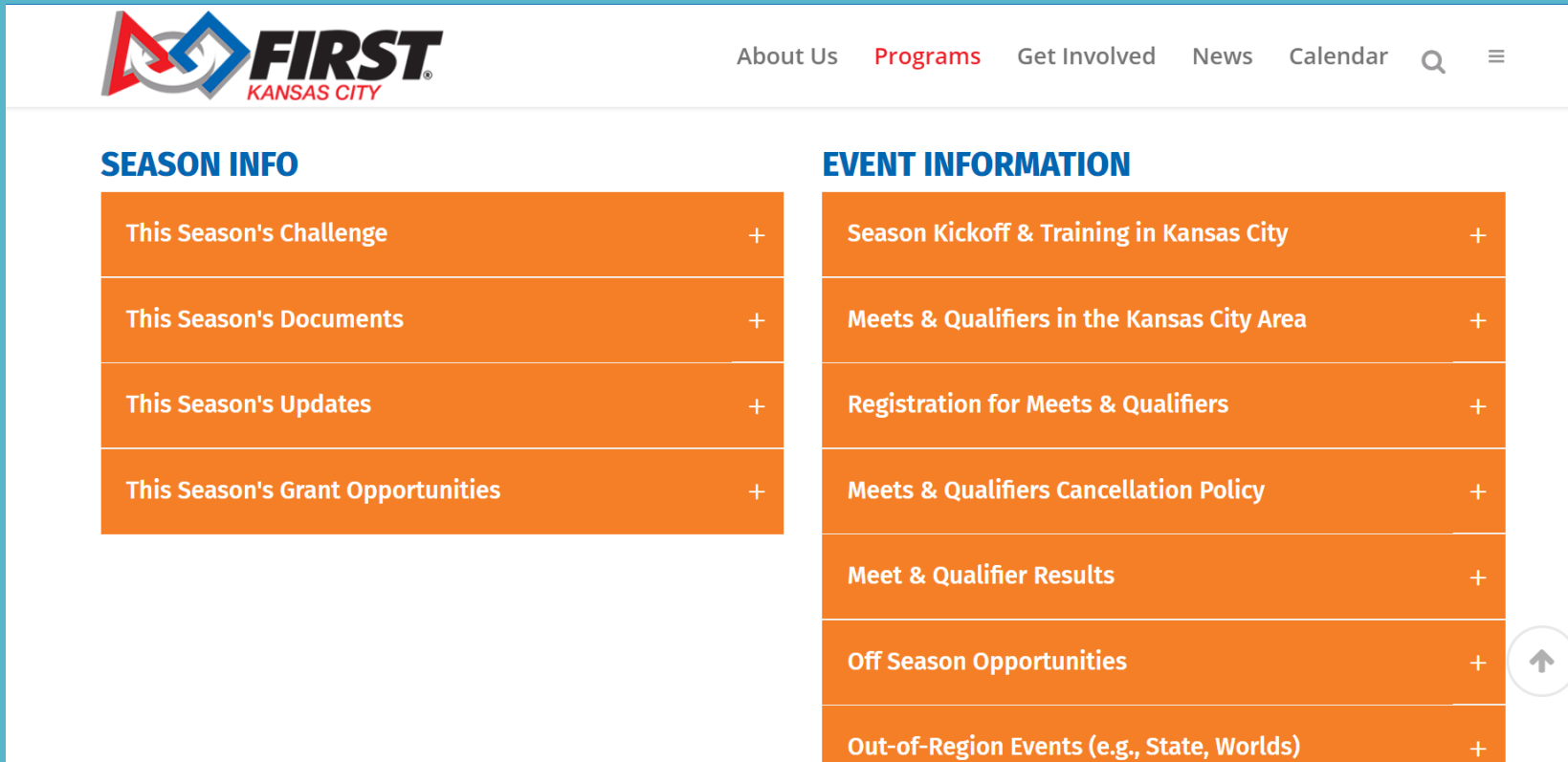
EVENTS INFO

www.stlfirst.org/ftc-team-portal

BOOKMARK IT!

KC Team Portal Website

<https://www.kcfirst.org/>



The screenshot shows the KC Team Portal Website. The header features the FIRST KANSAS CITY logo on the left and navigation links (About Us, Programs, Get Involved, News, Calendar) on the right, along with a search icon and a menu icon. The main content area is divided into two columns: SEASON INFO and EVENT INFORMATION. Each column contains a list of items, each with a plus sign icon to its right. A scroll-to-top button is located at the bottom right of the EVENT INFORMATION column.

SEASON INFO	EVENT INFORMATION
This Season's Challenge +	Season Kickoff & Training in Kansas City +
This Season's Documents +	Meets & Qualifiers in the Kansas City Area +
This Season's Updates +	Registration for Meets & Qualifiers +
This Season's Grant Opportunities +	Meets & Qualifiers Cancellation Policy +
	Meet & Qualifier Results +
	Off Season Opportunities +
	Out-of-Region Events (e.g., State, Worlds) +




Our Newsletter

- We use MailChimp. We import the addresses from *FIRST* registrations.
- Anyone else can subscribe. Sign-up links are available on our website and Facebook pages.
- Please let us know if you haven't been receiving these emails – some systems block.
- **Tuesday Tech Tales** is our weekly newsletter. Check your email.




Our Newsletter



NEWS FROM THE MISSOURI COMMITTEE

Proudly serving Missouri and Kansas Teams



KICKOFF IS SATURDAY 9/7/19

DID YOU RSVP YET? WE WANT TO SEE YOU!

We will have 4 live kickoffs:

- [St. Louis](#) - 8:30-12 in J.C. Penney Conference Center at UMSL
- [Kansas City](#) - 9-1:30 at Business and Technology Campus of MCC
- [Cape Girardeau](#) - 9:30-12:30 in Seabaugh Polytech Building at SEMO
- [Springfield](#) - 9:30-2:30 in Lay Hall at Drury University

Click on your preferred location for details and to RSVP with approximate counts.

Teams that RSVP take home a FREE field element!

Can't attend a Missouri Kickoff?

[Watch FIRSTtv for the live game reveal](#), hosted by DeeJayKnight from Qualcomm Headquarters. Show starts at 10:30 a.m. Central.

Missouri **FIRST** Tech Challenge Newsletter

Email Campaign Archive

from Missouri FIRST Tech Challenge

[join our mailing list](#)

09/03/2019 - [Tuesday Tech Tales 9/3/19](#)

08/27/2019 - [Grants About to Expire and Website Issue](#)

08/27/2019 - [Tuesday Tech Tales](#)

08/19/2019 - [Welcome to SKYSTONE Season!](#)

06/05/2019 - [End of School Wrap and Preview News](#)

05/08/2019 - [EOY Coach Survey Link](#)

02/19/2019 - [Plans for State and Post Season Opportunities](#)

02/07/2019 - [Lots of FIRST Tech still happening](#)

01/27/2019 - [Rockwood Advancement Correction](#)

01/27/2019 - [Expanding the Conference Qualifiers to 36 Teams](#)

01/25/2019 - [Snow 2.0 - what happens next](#)

01/15/2019 - [Snow Cancellation Impacts](#)


01/10/2019 - [FIRST Tech January News](#)

10/10/2018 - [Event Selection Changes - Time Sensitive](#)

10/08/2018 - [Round 2 Event Selection Starts at Noon](#)

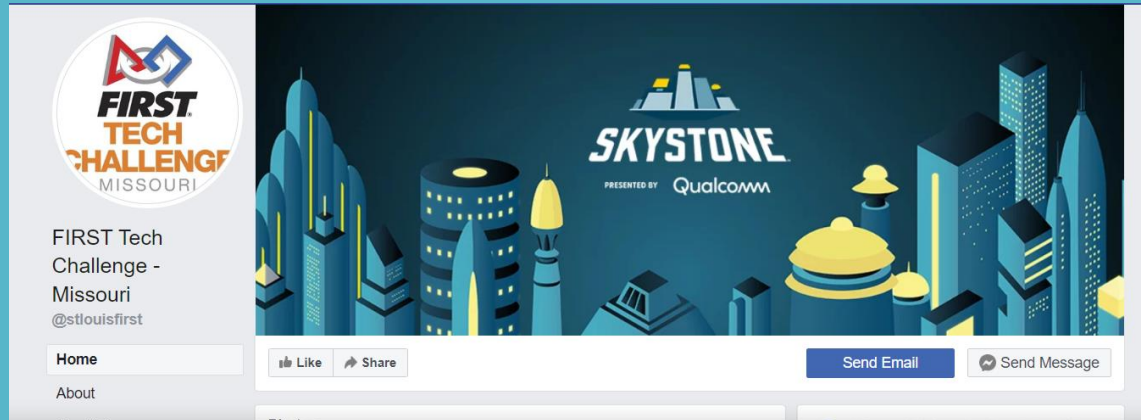
10/02/2018 - [Screenshots of Event Selection](#)

10/02/2018 - [Event Selection is TODAY](#)



Our Social Media

- We are currently on Facebook and Twitter. We love to share postings from teams so let us know you're out there. We also post other STEM related opportunities we come across.



@stlouisfirst



@FTCMO



Current National Registrations

- Refers to paid/granted \$275 *FIRST* fee from Dashboard
- 126 Missouri Teams Currently Paid
- 21 Kansas Teams Currently Paid
- Thanks to those 147 teams! We're eagerly watching for more teams. Projected 240 teams this year.
- Please complete your national registration so we can finalize our plans.



MO/KS Registration Fee

- One flat fee of \$225
- Entitles team to everything below State Championship
 - 2 Meets
 - 1 Qualifier
 - 1 Conference Qualifier (if you earn advancement)



MO/KS Payment Process

- Open NOW – Link on Team Portal or go to <https://commerce.cashnet.com/ftc>
- Pay by 9/26 to be eligible for 10/1 Event Selection


browse catalog basket

Missouri and Kansas FIRST Tech Challenge

This system is for Missouri and Kansas teams ONLY. We regret that outstate requests cannot be accepted. If you have questions, please contact FTC@stfirst.org.

For questions regarding payment, please contact St. Louis Community College Foundation at Foundation@stlcc.edu.

[HOME](#)



**FIRST
TECH
CHALLENGE**

FTC 2019-2020 Registration

Price: \$225.00

In stock: 219

*Enter Team Number:

*Team Name:

*School or Affiliation:

*City:

*State:

*Number of Boys:

*Number of Girls:

*Number of 8th graders:

Coach's Information

Item(s): 0 Total: 0

Your basket is empty.

[View basket](#) [Checkout](#)

Current MO/KS Registrations

- Refers to paid \$225 MO/KS fee to STLCC Foundation
- 48 Missouri Teams Currently Paid
- 13 Kansas Teams Currently Paid
- When both National and MO/KS paid, team is added to MOFTCScores.
- You want to pay by 9/26 to be eligible for 10/1 Event Selection.



SKYSTONE Event Structure

- 42 Meets approximately (10/26/19 - 2/1/20)
- 7 Qualifiers (Dec. - Feb.)
- 2 Conference Qualifiers
 - West 2/12/20
 - East 2/19/20
- 1 State Championship – 48 teams (3/7/20)
- *FIRST* Championship in Houston, TX (4/15-18/20)



About Meets

- Teams can play in any Meet region wide.
- Meets are approx. 4 hour events – no judging, alliance selection or awards.
- Your scores (RP and TBP) from the Meet are used to determine your ranking for advancing to Conference Qualifier (we'll explain those later).



Host a Meet

- You'll need:
 - Space for a field and 12 teams.
 - Power to the field and a charging station.
 - Seven trained key volunteers – FTA, Scorekeeper, Inspector and 4 Referees. Training is online.
- What you get:
 - Early choice of 1st meet for each host team
 - Concession stand revenue
 - Play close to home



About Qualifiers

- Full event experience for teams
 - Judging
 - Qualifying rounds
 - Alliance selection
 - Awards ceremony
- Team must compete in a Qualifier for chance to advance to Championship via Conference Qualifier
- ONE Qualifier per team

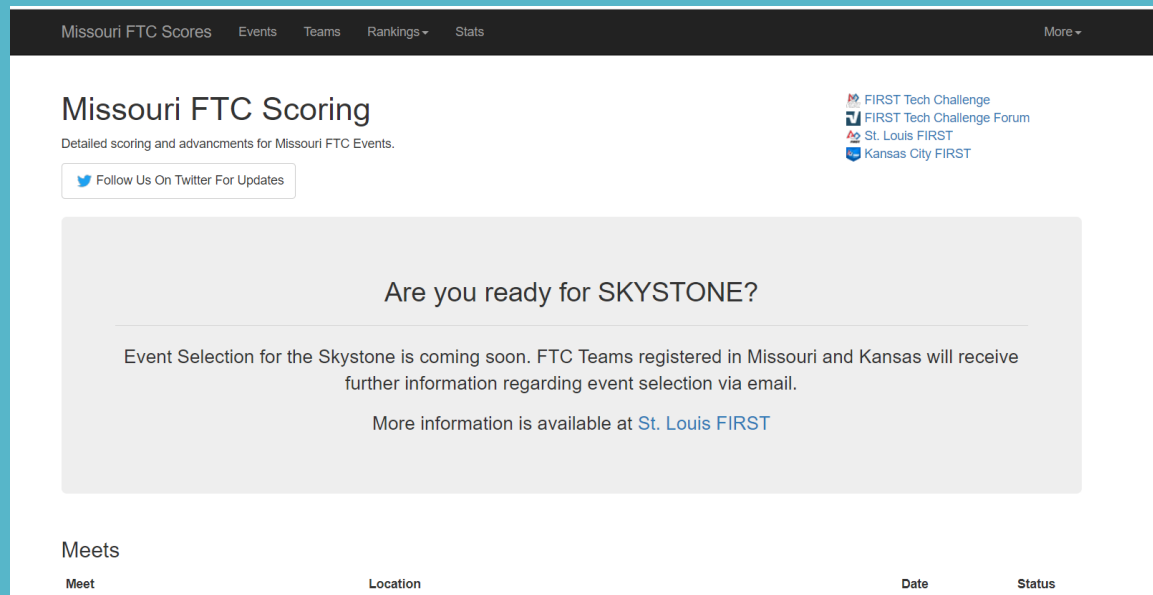


Registration/MOFTC

Ken Pugsley



Our MOFTCScores Website



<http://moftcscores.net/>

- Site for Event Selection
- Site for Event Results
- Site for Conference Rankings
- BOOKMARK IT!



Meets in NE Conf. (19)

Date	Time	Location
11/2/19	8 am - 12 pm	Boys & Girls Clubs of St. Charles County
11/2/19	1 pm - 5 pm	Boys & Girls Clubs of St. Charles County
11/16/19	8 am - 12 pm	Webster Groves High School
11/16/19	8 am - 12 pm	Girl Scouts of Eastern MO
11/16/19	1 pm - 5 pm	Girl Scouts of Eastern MO
11/23/19	8 am - 12 pm	Marquette High School
11/23/19	1 pm - 5 pm	Marquette High School
11/23/19	8 am - 12 pm	Pattonville
12/7/19	10 am - 2 pm	McCluer South-Berkeley High School
12/7/19	8 am - 12 pm	Webster Groves High School
12/14/19	10 am - 2 pm	Lutheran High School of St. Charles County
1/11/20	8 am - 12 pm	SLU Center for Global Citizenship
1/11/20	1pm - 5pm	SLU Center for Global Citizenship
1/16/20	5 pm - 9 pm	St. Joseph's Academy
1/18/20	8 am - 12 pm	Maryville University Donius University Center
1/18/20	1 pm - 5 pm	Maryville University Donius University Center
1/18/20	8 am - 12 pm	MICDS
1/18/20	1 pm - 5 pm	MICDS
1/25/20	8 am - 12 pm	Pattonville

** Meets are still being finalized. Some additional sites possible.*



Meets in NW Conf. (12)

Date	Time	Location
11/2/19	8 am - 12 pm	Notre Dame de Sion
11/2/19	1 pm - 5 pm	Notre Dame de Sion
11/9/19	8 am - 12 pm	Heritage Christian
11/9/19	1 pm - 5 pm	Heritage Christian
11/16/19	8 am - 12 pm	Center High
11/16/19	1 pm - 5 pm	Center High
12/7/19	8 am - 12 pm	KC Engineerign Zone
12/7/19	1 pm - 5 pm	KC Engineerign Zone
1/18/20	8 am - 12 pm	St. Teresa
1/18/20	1 pm - 5 pm	St. Teresa
1/25/20	8 am - 12 pm	Lee's Summit High
1/25/20	1 pm - 5 pm	Lee's Summit High



Meets in Southern Conf.

SE – 5 sites – need at least 6

Date	Time	Location
11/9/19	10 am - 2 pm	Jackson High School
11/23/19	10 am - 2 pm	Poplar Bluff High School
12/14/19	8 am - 12 pm	Notre Dame Cape
12/14/19	1 pm - 5 pm	Notre Dame Cape
1/25/20	10 am - 2 pm	Wyman Elementary
TBD	TBD	This could be you!

SW – 4 sites – need at least 6

Date	Time	Location
11/23/19	10 am - 2 pm	Kickapoo High School
1/11/20	10 am - 2 pm	Lake Christian Academy
TBD	10 am - 2 pm	Morgan Co. R-1 School District
1/18/20	10 am - 2 pm	Monett Middle School
TBD	TBD	This could be you!
TBD	TBD	This could be you!

Please sign up to host a Meet. Link is on Team Portal.



Scheduled Qualifiers

Qualifiers

Tournament	Location	Date	Status
SLU Qualifier	St. Louis University - Center for Global Citizenship, St. Louis, Missouri	December 07, 2019	Scheduled
Pleasant Lea Qualifier	Pleasant Lea Middle School, Lee's Summit, Missouri	December 14, 2019	Scheduled
STLCC - Flo Valley Qualifier	STLCC - Florissant Valley, St. Louis, Missouri	January 11, 2020	Scheduled
Yeokum Qualifier	Yeokum Center of Innovation, Belton, Missouri	January 11, 2020	Scheduled
SEMO Qualifier	SEMO - Student Recreation Center, Cape Girardeau, Missouri	January 18, 2020	Scheduled
Drury Qualifier	Drury University - Weiser Gym, Springfield, Missouri	January 25, 2020	Scheduled
Oakville Qualifier	Oakville High School, Oakville Township, Missouri	February 01, 2020	Scheduled



Event Selection Prep

- Pay National and MO/KS Registration by Sept 26th for Round 1 access. Later payment means later selection and less choices.
- Determine dates/locations the team can attend.
- Have alternate choices prepared in case events are already closed (sold out).
- You select Qualifier and Meets.
- You earn Conference Qualifier advancement.
- You earn Championship advancement.



Event Selection Process

Round 1 - opens at 12 noon on Tues., Oct. 1st.

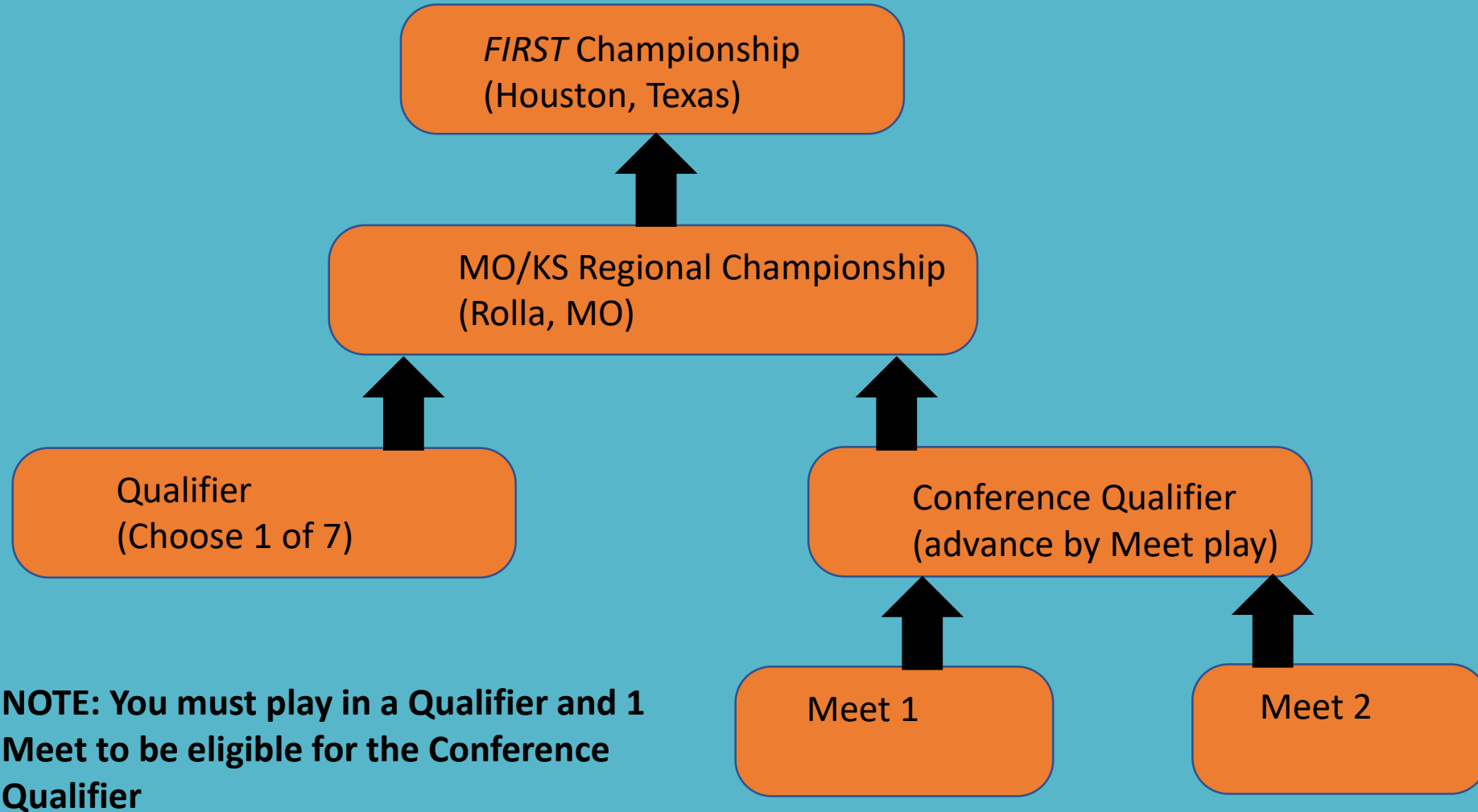
- Pick 1 Qualifier
- Pick a Meet
- If you can't pick it, its FULL – things fill FIRST COME FIRST SERVED

Round 2 - opens at 12 noon on Tues., Oct. 8th.

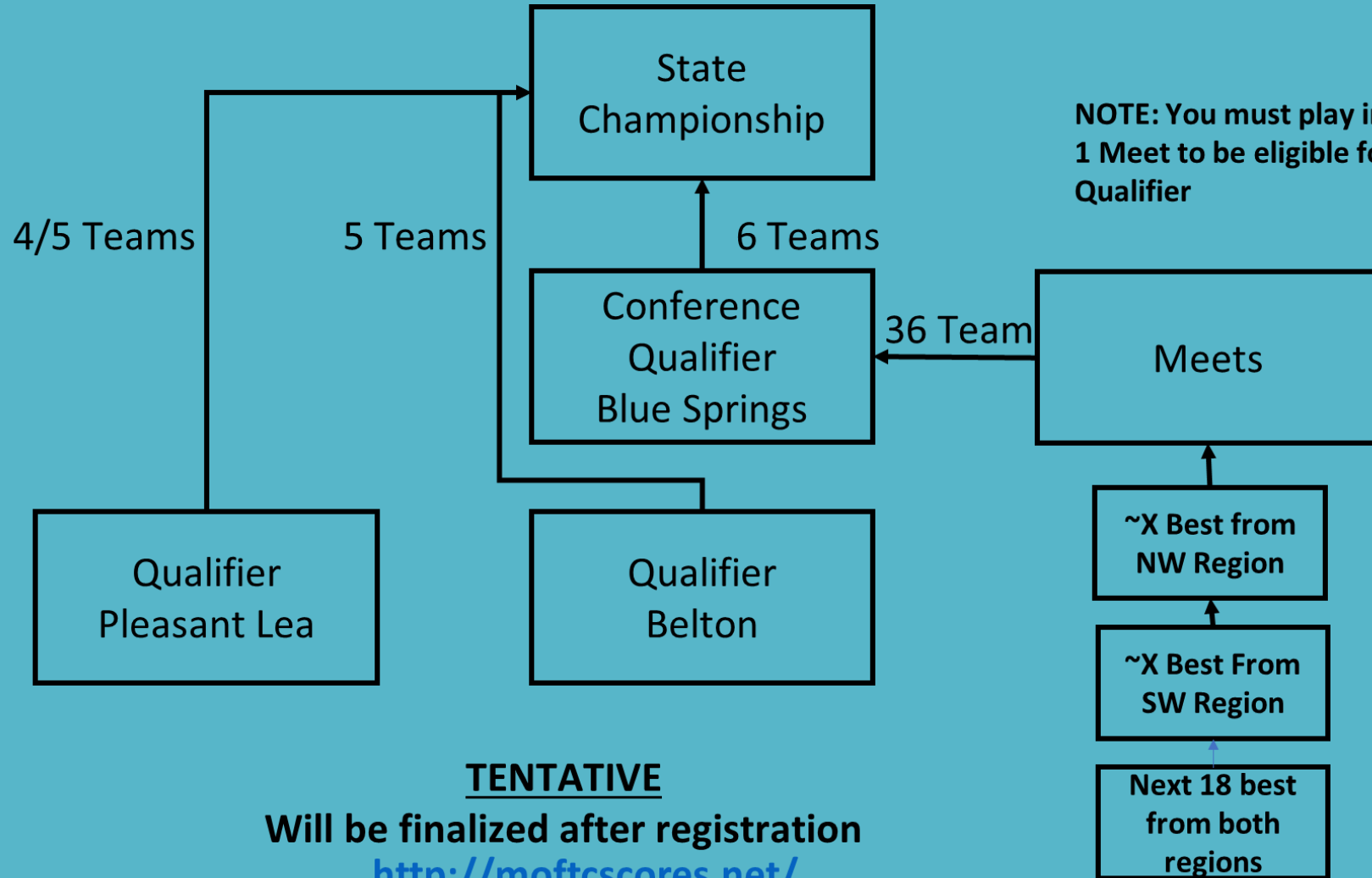
- Pick a Meet

Time for Demo...<http://moftcscores.net/registration>





NOTE: You must play in a Qualifier and 1 Meet to be eligible for the Conference Qualifier



TENTATIVE
Will be finalized after registration
<http://moftcscores.net/>

Conference Qualifiers

- Conference Qualifiers will be 36 team events.
- There will be one on the West side (NW and SW) and one on the East side (NE and SE).
- 18 slots will be divided between the N/S Conferences based on team density to the conference qualifier. (set Oct. 1st)
- 18 Wild Card slots are filled from the respective Con Qual ranking list. Highest ranked regardless of North or South within a Conf.



Advancements to State

Event Name	Team Capacity	Advancing to State
St. Louis University Qualifier	24	4
Pleasant Lea Middle Qualifier	24	4
STLCC-Florissant Valley Qualifier	36	5
Pirates Qualifier	36	5
Southeast Missouri State University Qualifier	36	5
Drury University Qualifier	36	5
Oakville Qualifier	36	5
West Conference Qualifier	36	TBD
East Conference Qualifier	36	TBD

- Data correct as of Kickoff, any possible changes will be communicated prior to Event Selection.
- Advancements are based on the size of the Qualifier, not attendance or registration.
- Conference Qualifier advancement numbers will be set after Oct. 1 based on team registration.



MO State Championship

- This is an earned advancement
- March 7, 2020
- Missouri S&T, Rolla, MO
- \$150 entry fee (KCStem will pay entry fee)
- 48 team, dual division competition
- Judging for Promote and Compass
- Dean's List Finalists Announced



***FIRST* Championship in Houston**

- We have **10** slots for teams to advance from our MO Championship.
- *FIRST* Championship in Houston is April 15-18, 2020.
- Entry fee is \$2,000.
- MO/KS Planning Committee has secured grants to cover entry fees for all **10** teams advancing from our Championship.
- HQ will have a Waitlist. MO/KS does not cover Waitlist team expenses. Keep this in mind when applying.



What About Weather?

- Sites determine if they will cancel based on local weather conditions. If you are travelling, you must decide if it's safe.
- Every Meet host can reschedule at their discretion.
 - If you can't attend, other Meet score is doubled.
- If only one Qualifier is cancelled in West, backup date is 2/1/20.
- If only one Qualifier is cancelled in East, backup date is 2/8/20.
- If more than one Qualifier is cancelled, alternate procedures are under development.



Senior Mentor Bob Crance



- **FIRST Senior Mentor (FSM)**
 - Focus on recruiting, supporting and expanding all four *FIRST* programs
 - Support existing teams, mentors, and coaches
 - Identify and recruit volunteers, mentors, and coaches
- **My Goals**
 - Promote team sustainability within and across programs
 - Understand Team's personalities
 - Connect team needs with available resources, college scholarships
 - Encourage team participation in all awards

BOB CRANCE

bcrance@firstinspires.org

816-223-2125



Judge Advisor Jared Fordham



Judging

- Importance of Awards
- What is the process?
- Team Awards
- Individual Awards
- Scholarships
- Where do I learn more?
- Training Preview

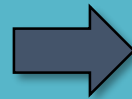


Why?

- You design
- You build
- You connect
- You program
- You learn
- You share
- You play

- It hurts
- It's stressful
- It's fun
- It's easy
- It's not
- **It's more than robots**

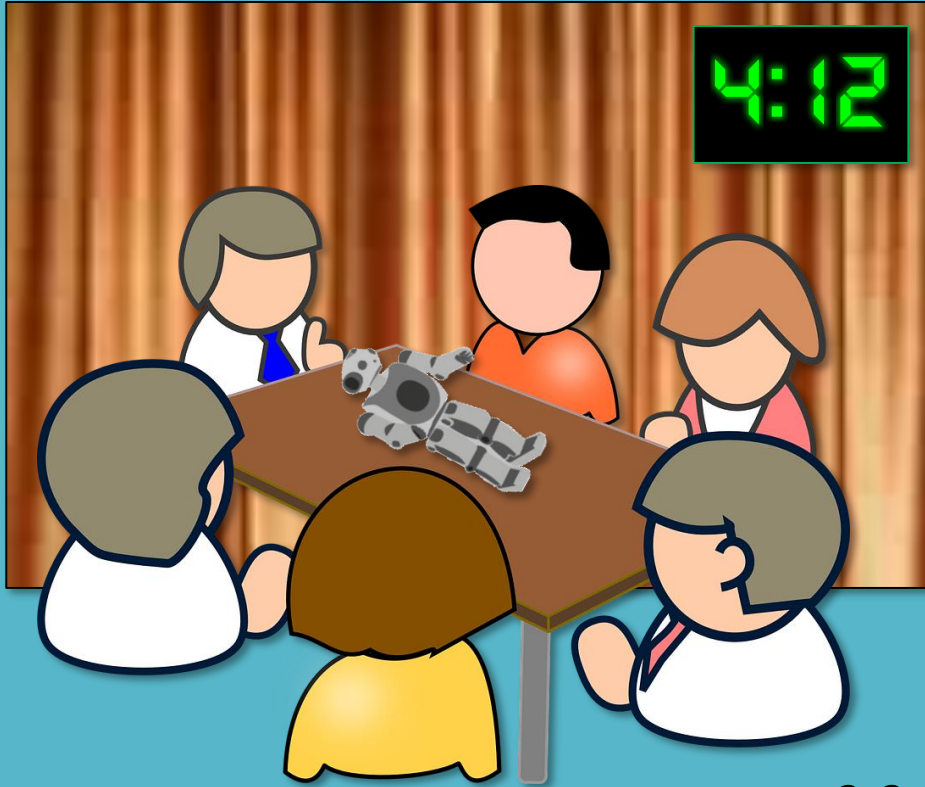
Judges listen to your story



FIRST Tech Challenge
Awards are for recognizing
your results

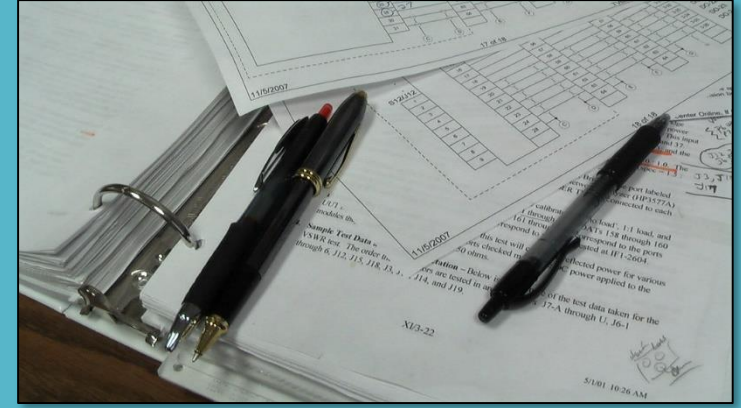


Process



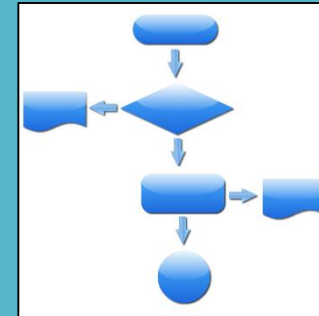
Team Interview!

- 2-3 Judges
- 20 Minutes
- Robot
- Prepared Remarks



The Notebook!

- Engineering Section
- Business Plan
- Strategic Plan



Control Submission

Awards

Team		Individual	
	Inspire Award	FIRST Dean's List	
Notebook	Think Award	Promote Award	Video
	Connect Award	Compass Award	
Robot	Collins Aerospace Innovate Award	Coach or Mentor	
	Design Award		
Community	Motivate Award		
	Control Award by ARM		
	Judges Award (Optional)		

**Gracious
Professionalism[®]**



More

Training

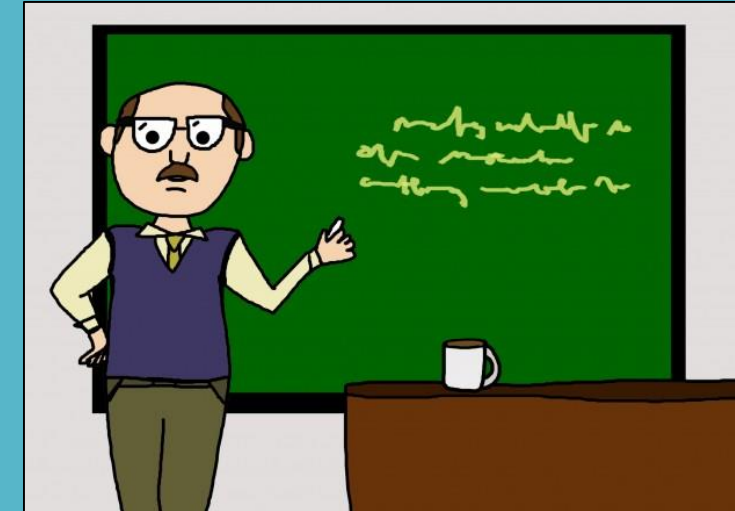
Cash for College!

Read The Docs



Apply

2018-2019 Award Descriptions	
Award and Description	Criteria
Inspire Award This judged award is given to the team that embodied the 'challenge' of the FIRST Tech Challenge program. The team that receives this award is a strong ambassador for FIRST programs and a role model FIRST team. This team is a top contender for many other judged awards and is a gracious competitor. The Inspire Award winner is an inspiration to other teams, acting with Gracious Professionalism® both on and off the playing field. This team shares their experiences, enthusiasm and knowledge with other teams, sponsors, their community, and the Judges. Working as a unit, this team will have showed success in performing the task of designing and building a robot.	Required criteria for the Inspire Award: <ul style="list-style-type: none"> Team shows respect and Gracious Professionalism® to everyone they meet at a FIRST Tech Challenge event. Team is a strong contender for several other Judged awards. The Inspire Award celebrates the strongest qualities of all the Judged Awards. The team is an ambassador for FIRST programs. They demonstrate and document their work in their community. Team is positive and inclusive, and each team member contributes to the success of the team. Team must submit an Engineering Notebook. The engineering notebook must include an Engineering section, a team section and a Business or Strategic Plan. The entire engineering notebook must be high quality, thoughtful, thorough, detailed and well organized. Robot design is creative and innovative, and the robot performs reliably on the field. Team communicates clearly about their robot design and strategy to the judges. Team presentation is professional and engaging.



Sep 21
@ KC EZ

- Why didn't we win?
- Engineering Notebook
- Dean's List
- Inspire

Lead Referee Collin Robinett



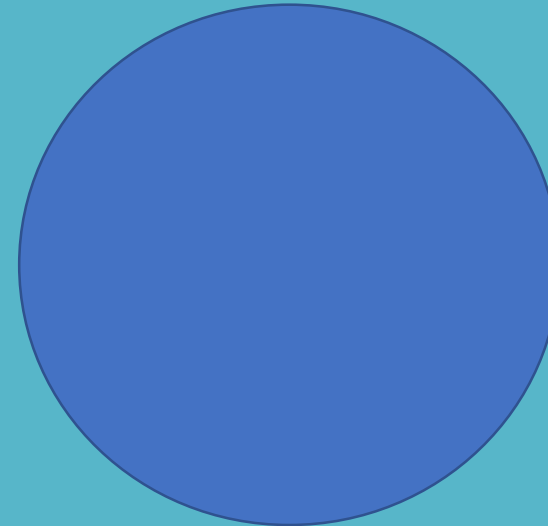
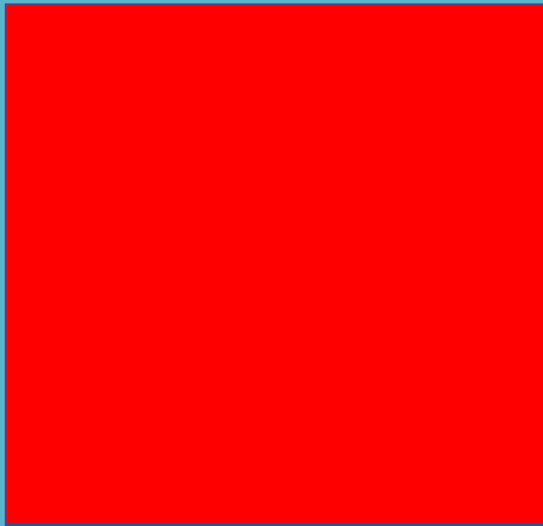
- Ruling Updates
 - Most current rules will come from the blog updates, then Team Updates, then the Game Manual.
- Score review after matches
 - Using tablets
 - Clear up any questions about scoring before teams leave the field
 - Could lead to cycle time increases if not done quickly



- Correct Player Station
 - Tables in Player Stations will be clearly marked with Red/Blue 1 or 2.
 - Teams need to stand by their assigned station on the schedule, regardless of robot placement.
- Human Player
 - There will be one extra person PER ALLIANCE that will interact with the field
 - Alliances will have to pick their Human Player before the match.
 - No decision defaults to Red 1 and Blue 1
 - We can talk about Human Player locations on the field during the Game Reveal



- Alliance Marker, Rule <RG06>
 - Each team must include a team supplied Alliance Marker on their robot on the same sides as the Team Numbers (two opposite sides, 180 degrees apart)
 - Must be removable in order to swap between matches
 - Red 2.5" Square or Blue 2.5" diameter Circle



Lead Robot Inspection

Abhinav Tilwar



Robot Inspection

- ***Self Inspection – Game Manual One***

- Teams must complete self-inspection of their Robot and submit the completed Robot Inspection forms to the Robot Inspectors.
- Teams should ensure that their Robot is made up of legal parts.
- Re-inspect the Robot after making mechanical changes – ***Reference 8.4 Inspection rules <I1> and <I4>***

- ***Common Mistakes***

- Know your robot – Confidence and knowledge about robot components
- Wires should be properly tied to avoid unnecessary risk of entanglement - ***Reference 8.4 Inspection rules <RE14>***
- Being aware of the weight and size requirements of the robot



Robot Inspection

- ***Changes***

- Alliance flag are no longer be in use during the match – Replaced by Alliance marker - ***Reference 8.4 Inspection rules <RG06>***
- Team numbers must be visible
- Battery Mount - Batteries must be securely attached to the Robot in a location where they will not make direct contact with other Robots or the Playing Field - ***Reference 8.4 Inspection rules <RE02>***
- Three phones will be phased out next season
- Modern Robotics Control Module will be phased out
- A new Rev Control Hub being piloted but can NOT be used in competition in our region



Lead FTA Jeff Ousley



- ***Assistance through out the season***
 - ***Contact Phil via email and we will get you the support you need***
- ***Assistance at an event***
 - ***As soon as possible let us know you have a problem***
- ***Programming support***
 - ***Tesla's Knight class for rookie teams – Sept 14***
 - ***Training day – September 21***
 - ***Programming Classes – October 19***



Grants

- Check out all the grants we know about on the STLFIRST website FTC Team Portal.
- KC STEM deadline is 9/11/19.
- REV Robotics deadline is 9/30/19.
- Don't miss an opportunity!



Volunteering

- Judge at competition you are not attending.
- Volunteer in a role at a competition you are attending.
- Provide a volunteer for a Meet (playing at or not).
- Get friends, neighbors and sponsors involved.
- Volunteer from your *FIRST* dashboard.



Game Manual 1

- Self-Inspection forms – required in MO/KS this year
- Weight – no more than 42 pounds (plan accordingly)
- Numbers – regulation size and position
- Power Switch – accessible and legal type
- Alliance Marker – NEW this year
 - Red square 2.5 in x 2.5 in
 - Blue circle 2.5 in diameter
 - No FLAGS
- Human Player – NEW this year



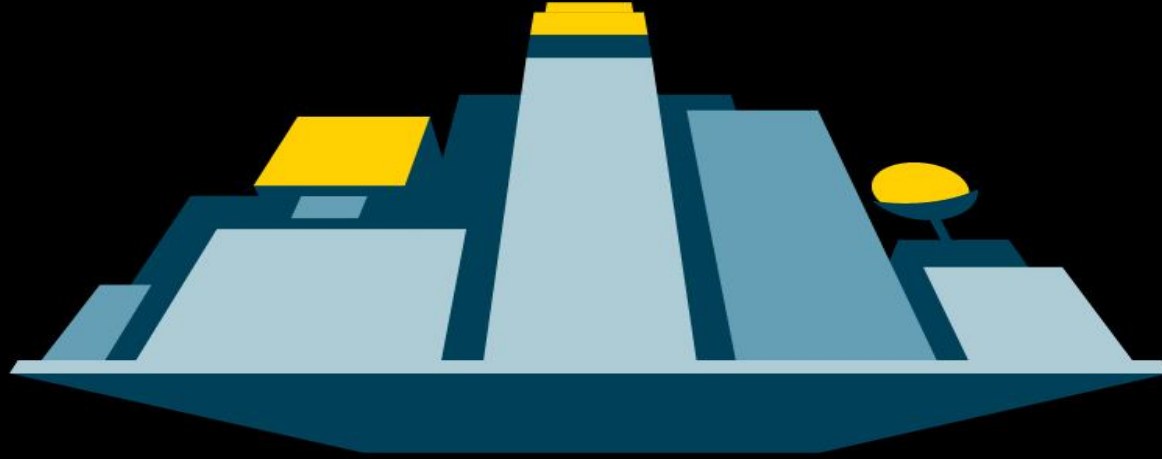
Closing Thoughts

- Our website www.stlfirst.org/ftc-team-portal
- *FIRST* website <http://www.firstinspires.org/robotics/ftc>
- YouTube <https://www.youtube.com/user/FIRSTTechChallenge>

Contact Us at FTC@stlfirst.org

Thank you for being part of the MO/KS *FIRST* Community!





SKYSTONE SM

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