



# 2019 FRC Coaches Meeting

**FIRST**  
LEGO  
LEAGUE JR.

**FIRST**  
LEGO  
LEAGUE

**FIRST**  
TECH  
CHALLENGE

**FIRST**  
ROBOTICS  
COMPETITION



# ***FIRST*** Senior Mentor

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## □ *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 (including scholarships)
- Encourage team participation in all awards

BOB CRANCE

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# How to recruit Mentors and make them effective

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# Current Thoughts Regarding Mentors?

- Are teams using mentors?
- How do teams value mentors?
- Could teams make use of more mentors?

# Types of Mentors

## TECHNICAL:

- Programming
- Electrical Engineer
- Mechanical Engineer

## NON-TECHNICAL:

- Project Management
- Scholarship
- Marketing
- Finance

**CONSIDER ALIGNING MENTORS WITH AWARDS**

# Current Thoughts Regarding Mentors?

- How do teams find mentors?
- Is it difficult to engage mentors?
- How do teams on-board mentors?

# How Can Teams be Attractive to Potential Mentors?

- Clearly describe the role of a mentor
- Clearly explain time commitment expectations
- Clearly describe initial objectives



# How Can Teams Retain Mentors?

- Assure resources are available
- Assure students are prepared
- Provide feedback on contribution and impact
- Say “Thank You!”
- Ask for suggestions/feedback from the mentor

# What commitments will you make?





# Things Coaches want to know about 2020

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# Things Coaches want to know

1. Announcements of Regionals
2. Workshops at Regionals - Teams want to lead them
3. End of Stop Build Day
4. Shipping of Robot
5. Awards

# Announcements of Regionals

## Greater Kansas City

Location: Lee's Summit North High School

Date: Feb. 27 - Mar. 1, 2020

## Heartland Regional

Location: Olathe South High School

Date: Mar. 18 - Mar. 21, 2020

## Central Missouri Regional

Location: Smith Cotton High School

Date: Apr. 2 - Apr. 5, 2020

# Workshops at Regionals

Do we want more?

# End of Stop Build Day

From Frank's Blog on Sept 6, 2019

<https://www.firstinspires.org/robotics/frc/blog/2020-rule-changes-stop-build-day>

## Rule Changes - Robot

<https://firstfrc.blob.core.windows.net/frc2019/2020FRCRuleChangesStopBuildDay.pdf>

## Robot Construction

11. It's your team's ROBOT. The ROBOT and its MAJOR MECHANISMS must be built by the FIRST Robotics Competition team.

# Shipping to Championship

Franks Blog again:

<https://www.firstinspires.org/robotics/frc/blog/2020-rule-changes-stop-build-day>

We don't have the new shipping rules yet, as we need to finalize whether or not teams will be able to bring their robots to Championship. But we are determined to allow teams to keep their robots as long as we can without putting the robot's timely arrival at its destination at risk. I imagine most teams would agree that losing a week of work on their robot is less painful than an unexpected issue leading to them not having their robot at the event at all.



# Awards

List of awards and deadlines

<https://www.firstinspires.org/robotics/frc/awards>

# FIRST Choice and Virtual Kit

## What is it?

*FIRST* Choice enables your team to use credits to get more parts for your robot. Learn more here about what your Kit of Parts benefit gets you including *FIRST* Choice.

## Why use it?

Information found here:

<https://www.firstinspires.org/robotics/frc/kit-of-parts#FIRSTChoice>

# Questions

# KC STEM Alliance & *FIRST* in Kansas City

Martha McCabe  
Executive Director  
KC STEM Alliance

Laura Bauer  
Specialist  
KC STEM Alliance



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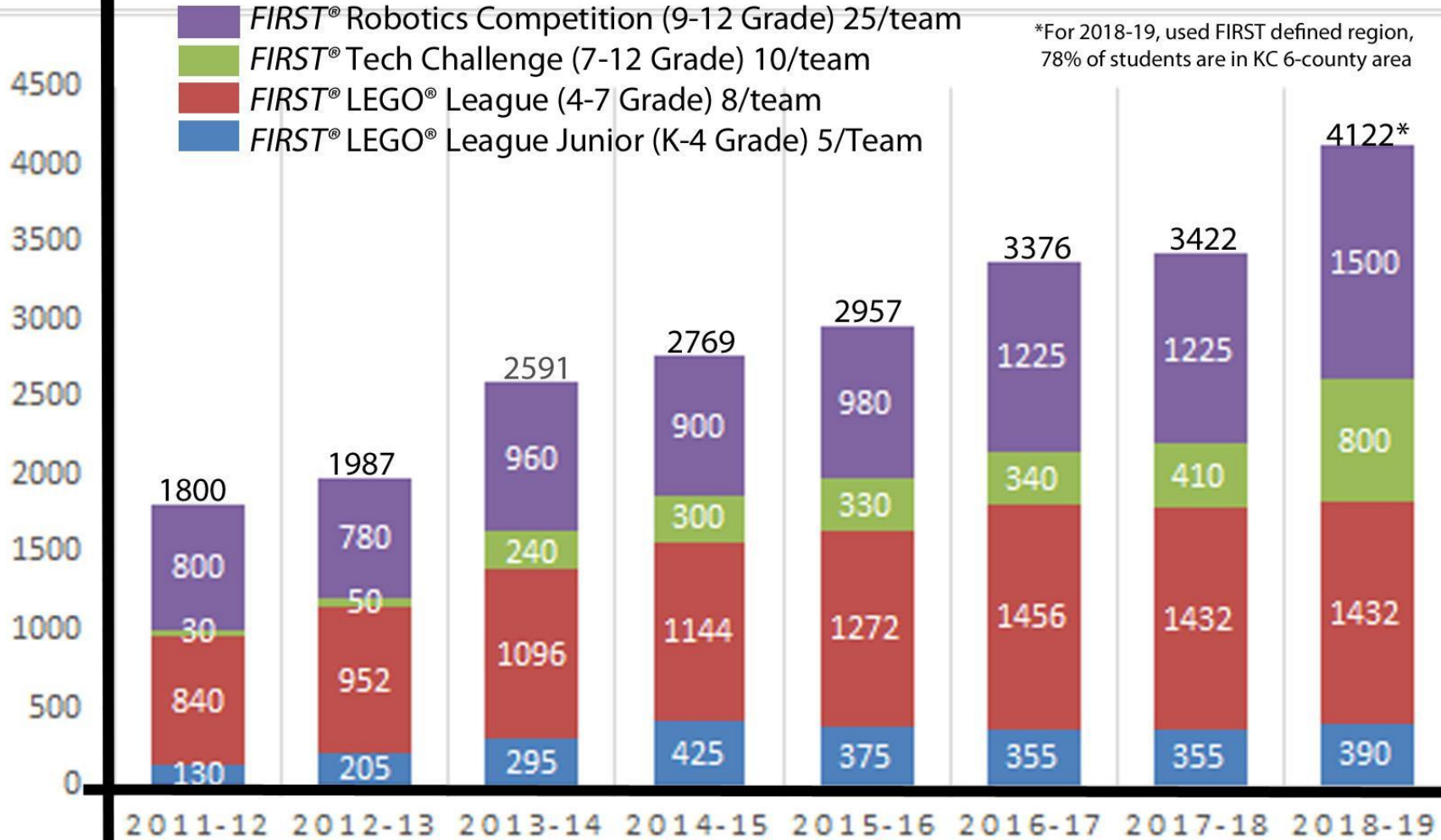
Google fiber

**KCP&L**

**US**  
 ENGINEERING

KC  
**S T E M**  
 Alliance

# FIRST® Student Participation Growth in Kansas City

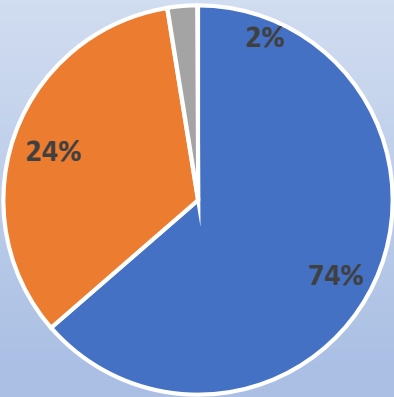




# KC STEM Alliance Financials – FY19 (July 1, 2018-June 30, 2019)

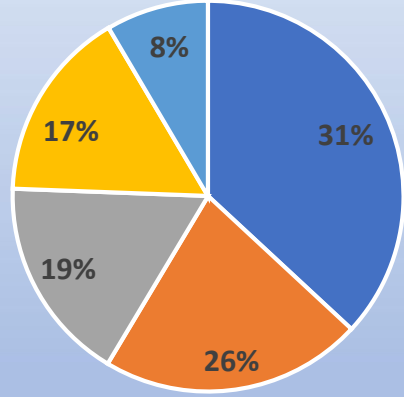
## INCOME - \$1,633,576

- Gifts - Fdn, Corp, Univ, Govt - \$1,202,287
- Grant - Kauffman - \$400,000 Event
- Revenue - \$31,289



## EXPENSES - \$1,206,032

- FIRST - \$372,497
- Admin - \$223,481
- Ecosystem - \$93,293
- Diversity - \$316,057
- School STEM - \$200,704



**CARRY OVER into FY20 - \$427,543**  
 (25% of budget, Board would like 33%)



# FIRST Financials – FY19 (July 1, 2018-June 30, 2019)

## FIRST EXPENSES - \$372,497

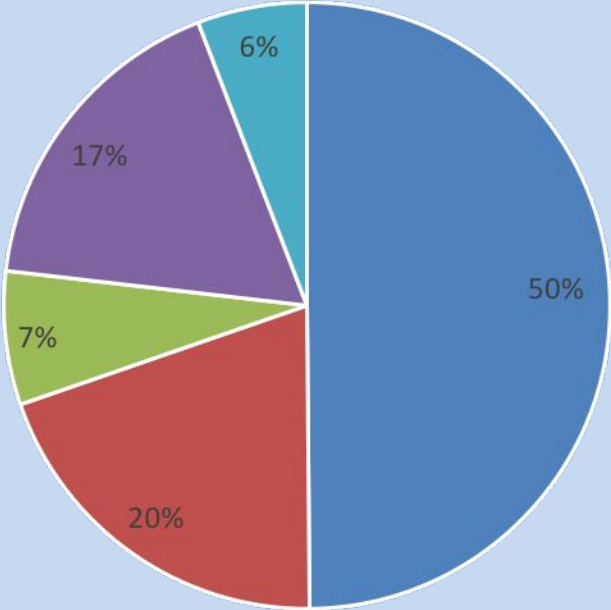
FRC - \$185,737

FIRST Team Grants - \$64,546

FLL - \$73,929

FTC Summer Camps - \$21,751

FTC - \$26,535



■ FRC ■ FLL ■ FTC ■ FIRST Team Grants ■ FTC Summer Camps

# KC STEM Alliance grants to *FIRST* teams

- Still can apply till midnight tomorrow (Friday)!!!
- For FTC and FRC teams in the 6 county KC area
- Include a team budget
- Range is \$500 to \$3500 per team with an average of \$2000
- Total pool is \$50,000
- Basis of award
- Requirements
- New this year! – teams must apply for this grant to be eligible for travel grants
- Also from *FIRST* : [Equity and Access Grant](#) !!!

# Other Resources

- [www.kcfirst.org](http://www.kcfirst.org) website (new!)
- Facebook page - KansasCityFIRST
- FIRST AmeriCorps VISTA – Hannah Hadley
- FIRST Senior Mentor – Bob Crance

# Share best practices in fundraising

- What has been effective for your team?
- STEM outreach and fundraising
- Building a business for your *FIRST* team