

# WELCOME TO *FIRST* IN MISSOURI

## 2024-2025 INTO THE DEEP SEASON



### About *FIRST*

*FIRST* inspires young people to be science and technology leaders and innovators by engaging them in exciting mentor-based programs that build science, engineering, and technology skills, that inspire innovation, and that foster well-rounded life capabilities including self-confidence, communication, and leadership.

### MO/KS *FIRST* Tech Challenge

*FIRST* in Missouri is the official *FIRST* Partner Organization for *FIRST* Tech Challenge in Missouri and Kansas.

*FIRST* Tech Challenge students learn to think like engineers. Teams design, build, and program robots to compete in an alliance format against other teams. Robots are built from a reusable platform, powered by android technology, and can be coded using a variety of levels of Java-based programming.

### *FIRST* DIVE

During the 2024-2025 *FIRST* DIVE presented by Qualcomm season, teams will use their STEM and collaboration skills to explore life beneath the surface of the ocean. Along the way, we'll uncover the potential in each of us to strengthen our community and innovate for a better world with healthy oceans.

### INTO THE DEEP

The INTO THE DEEP presented by RTX challenge will launch on September 7, 2024. *FIRST* Tech Challenge teams will dive their robots into the depths of the ocean to explore the unknown and reveal its wonders.

# SEASON EVENTS AND FEES

## MO/KS Event Structure

MO/KS *FIRST* Tech Challenge has a League structure. During the regular season, teams are assigned to one of our 8 leagues. Meets and League Tournaments are played within leagues.

Post season play begins with a Super Qualifier. Qualifying teams advance to the MO/KS Championship. Qualifying teams then advance to the *FIRST* Championship in Houston.

## Missouri/Kansas Season Fees

Teams pay a **\$225** fee to participate in Missouri/Kansas **Regular Season** competitions. This non-refundable fee covers:

- League Meets
- League Tournament

Teams pay a **\$150** fee to participate in Missouri/Kansas **Post Season** competitions. This non-refundable fee covers:

- Super Qualifier
- MO/KS Championship



### Season Kickoff September 7, 2024

- 9 Kickoff Events across Missouri/Kansas
- Teams will receive game piece



### Meets November 2, 2024 - January 11, 2025

- Teams play in 3-4 Meets
- Robot play only event; 4 hours long



### League Tournaments January 11, 2025 - February 1, 2025

- Teams play in 1 League Tournament
- Full day with judging, qualifying matches, alliance selection, and award ceremony
- 3 teams will advance to the MO/KS Championship
- 8-12 teams will advance to a Super Qualifier



### Super Qualifiers February 15, 2025

- Super Qualifiers are post season events
- Full day with judging, qualifying matches, alliance selection, and award ceremony
- 6 teams from each Super Qualifier will advance to the MO/KS Championship



### MO/KS Championship March 2025

- MO/KS Championship is a post season event
- Full day with judging, qualifying matches, alliance selection, and award ceremony
- Qualifying teams will advance to the *FIRST* Championship in Houston

# COMMUNICATION

Leslie Steinmeyer is the *FIRST* Tech Challenge Program Delivery Partner for *FIRST* in Missouri.



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314-775-8258



## League Contact Information

*East League has their own website*

### KC East and West

Phil Wood

[pcwood@kcstem.org](mailto:pcwood@kcstem.org)

### SW

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### SE

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### STL South

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### STL Mid

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### STL North

Spencer Templeton, Hannah Martin & Jennifer Martin

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STL North Discord for coaches:

<https://discord.gg/rE8SNATx58>



Tech Tuesday is a weekly newsletter that is emailed to coaches and other interested people from August - April. This is our main form of communication to teams during the season. Coaches are added automatically to the mailing list.

Sign up [HERE](#) for the newsletter.



<https://www.firstinmissouri.org/first-tech-challenge-team-portal/>



<https://www.facebook.com/FTCMOKS/>



[https://www.instagram.com/ftc\\_mo\\_ks/](https://www.instagram.com/ftc_mo_ks/)



<https://www.youtube.com/channel/UCoo-2NYUOcTUZB65dGMAp1vg>



[https://join.slack.com/t/moksftc/shared\\_invite/zt-2l6jpx0xs-AQ7cVyx6RiA~f\\_S\\_UbmYiw](https://join.slack.com/t/moksftc/shared_invite/zt-2l6jpx0xs-AQ7cVyx6RiA~f_S_UbmYiw)



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

# EQUIPMENT & KIT OF PARTS

To pay your team's **\$295** FIRST Registration fee and purchase your kit of parts, please visit your team's FIRST Dashboard: <https://login2.firstinspires.org/Account/Login>. You will then be able to access the FIRST Storefront to purchase items.

If you are waiting for a grant, please **DO NOT** check out until after that grant has been awarded. FIRST will not be able to make changes to orders after checkout.

## TEAMS CAN PURCHASE THESE ITEMS FROM THE FIRST STOREFRONT



Control & Communications  
\$275



Electronics Set  
\$315



Optional Perimeter  
\$659



Optional Tile Set  
\$259



Optional Game Set  
\$390 (partial) or  
\$460 (full)

## CHOOSE ONE KIT OF PARTS (REUSEABLE COMPETITION SET)

from the *FIRST* Storefront

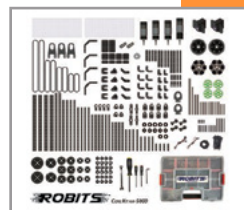
from company website



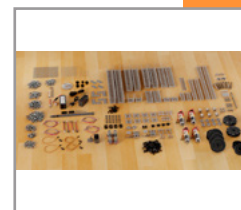
REV  
\$640  
[Build Instructions](#)



Tetrix  
\$630  
[Build Instructions](#)



AndyMark  
[Robits Core Kit](#)  
\$850  
[Build Instructions](#)



GoBilda  
[FTC Starter Kit](#)  
\$599.99  
most MO/KS teams  
use GoBilda  
[Build Instructions](#)



Studica  
[FTC Starter Kit](#)  
\$585  
[Build Instructions](#)

If your team will be using more than 4 motors, you will need a REV Expansion Hub



[REV Expansion Hub](#)  
\$250

## Popular Robot Part Suppliers

- AndyMark: <https://www.andymark.com/>
- REV Robotics: <https://www.revrobotics.com/>
- Pitsco: <https://www.pitsco.com/>
- GoBilda: <https://www.gobilda.com/>
- Studica: <https://www.studica.com/>