



Missouri and Kansas Committee



Qualifier 6 – Southeast Missouri State University Sunday, January 29, 2017

We are happy to return to Southeast Missouri State University (SEMO) for our seventh year of a FTC Qualifier. This is our largest Qualifier of the season with 2 divisions and 48 teams.

We always have to worry about weather during the FTC season. Our events are only cancelled by the venue hosts. Therefore, if SEMO determines weather conditions to be unsafe, they may cancel our event. If they say it's OK, then our event is a go. Of course, you must determine if travel conditions are safe along your route. Our cancellation policy is posted on our website www.stlfirst.org



Here is the projected schedule for the day. Please read the entire packet so that expectations are clear and things run smoothly.

FTC Projected Schedule - SEMO	
Time	Activity
7:30 AM	Registration Opens, Pits Opens for Teams
8:00 AM	Registration Closes
8:15 AM	Judging Begins
11:15 AM	Judging Ends
11:20 AM	Meeting for Drivers/Coaches and a meeting for Adult Coach/Mentor (20 min)
11:50 AM	Opening Ceremony (20 min)
12:15 PM	Qualifiers Begin
3:00 PM	Alliance Selection
3:30 PM	Elimination matches begin
6:00 PM	Awards - Immediately after finals (30 min)
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How to get there

- The Show Me Center is located at:
**1333 North Sprigg Street
Cape Girardeau, MO 63701**
- Google map directions are available [here](#) .
- The Show Me Center parking map is attached. You may drop off and unload in front of the building. Enter on Alumni Drive and turn on to Show Me Center Dr. After unloading, please park in the lot.
- Parking is free.
- *FIRST* directional signs on campus will guide you.
- All activities will occur in the Show Me Center. No need to go outside!

Local Info

- Info on accommodations, dining and local attractions can be found at <http://www.visitcape.com/>

When to be There

- The facility will open for teams to start unloading and setting up at 7:30 AM. Teams will not be admitted into the gym to begin unpacking their robots and setting up their pit area until 7:30 AM. Early arrivals can stay warm in the lobby.
- At 7:30 kids can start setting up while 1 coach heads to check-in.

Coach Check-in

- All coaches please report to Registration Table in the lobby from **7:30-8:00 AM** to register your teams. We cannot generate match schedules until all teams are registered.
- Please note that if you are scheduled for an 8:15 AM inspection or judging, you should register earlier.
- **If you experience traffic or delays, please do not panic, simply call or text our hotline at 314-520-0848 and let us know the status of your arrival.**
- At check-in, the volunteers will ask if you are ready for competition. This is a way to identify teams that may need help before passing inspections. Please let us know if we can help!
- Upon check-in, you will receive a team packet. It will include a copy of your schedule, programs, coach/driver/media buttons for the field and Velocity Vortex participation pins (first event only).
- You will need to turn in **team roster** and **engineering notebooks**. More details below.
- Check in is also where you leave Control Award entries. This is an optional process.

Team Roster/Consent Forms

- A consent and release form is needed for every student, coach, mentor and volunteer participating in the event.
- Your STIMS roster is proof of completed forms.
- If you have already competed at a MO qualifier this season and your roster hasn't changed, we do not need anything turned in.

Engineering Notebooks

- Please turn in your engineering notebooks at registration. This will enable the judges to review the materials before they begin the session scheduled for each team. They will be returned to you during the competition.
- DO NOT leave without your notebook. Assign a student this responsibility.
- Use this self-evaluation for your notebook
http://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/2016-2017-season/eng-notebook-self-assessment.pdf

Food

- SEMO donates the venue. Show Me Center has an outside services contract that covers food.
- No outside commercial food (pizza delivery, McDonalds, etc.) is allowed.
- Personal food required for food allergies is an exception.
- Food pricing may be an issue for some teams. Please contact FTC@STLFIRST.org
- Concession stands will be open on the main floor right outside of the competition on both the pit and spectator sides.
- *NOTE: The following menu and pricing was available last year. Items and prices may be adjusted this year.*

BARBEQUE NACHOS	\$7.50	POPCORN BAGS	\$3.50
SUPER NACHO BOATS	\$6.00	PRETZEL	\$2.75
BARBEQUE BUNS	\$5.00	BOSCO	\$2.50
CHICKEN TENDERS	\$5.00	CANDY	\$1.75
CHEESE CONEY / CONEY BOATS	\$4.75	CHEESE CUPS	\$0.75
CHEESEBURGER	\$4.50		
BRATWURST	\$4.00	32 OZ. PEPSI CUPS	\$4.00
CHICKEN SANDWICH	\$4.00	GATORADE	\$3.00
STUFFED PRETZELS	\$4.00	LARGE TEA CUPS	\$3.00
POLISH SAUSAGE	\$4.00	22 oz bottled soda	\$3.00
NACHO BOATS	\$3.50	WATER	\$2.50
PIZZA SLICE	\$3.25	22 OZ PEPSI CUPS	\$2.50
HOT DOG	\$3.00	COFFEE CUPS	\$1.50

Set up your Pit Table

- Each team will be provided with one 8 foot table and chairs.
- Please do not remove or block the table numbers from your pit table as they help the judges, queuing staff, and other event officials find you.
- Since we have over 500 team members signed up, we may run into issues with pit space. Please limit the number of people at your pit to 12 and be respectful of the other teams' space. Additional members and supporters are welcome to observe from the stands.
- Bring a tub or trash bag for storing coats as there is no coat check available.
- You are welcome to bring items to exchange with other teams.

There is no Public WiFi at the Event

Power Availability in the Pit

- Power will be provided at the individual pit tables.
- Please check your power source upon arrival and contact us if something is not working.

Practice Field

- One practice field will be provided for teams to use.
- Please be respectful of others if a line forms.
- We will have a volunteer staffing this area and may have to limit the time if the need arises.

Safety Notes

- *Safety glasses must be worn at all times.* This rule is of paramount importance and will be vigorously enforced.
- **Each team must bring enough safety glasses for all members and their visitors.**
- Do not leave valuables unattended. This event is open to the public and we encourage others to come and see what the students have done. FTC is growing because of your efforts and those of others. Use common sense. Encourage your students to do the same. We are not responsible for lost or stolen items.



Before Coming to the Competition

- Check the website <http://www.firstinspires.org/node/5261>
- Decide if you want to be considered for the **Control Award**. Apply for the Control Award by filling out the Control Award Content Sheet and turning it in at Check-in desk. Control Components must be documented in the Engineering Notebook.
- **Promote and Compass Awards** will only be judged at the Missouri Championship. Entries will be submitted to FTC@STLFIRST.org by Feb. 17th.

Judging Notes

- Before competition use the self-reflection sheet, http://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/team-judging-self-reflection.pdf
- Your judging time is more important than your inspection time. Judging times need to be adhered to in order to get through all the teams. Please arrive 5 minutes early so that you are ready for the judges. If you miss your scheduled inspection time, you can go to the open station and get inspected.

Inspection Notes

- To ease congestion at the inspection table, we have assigned team times (schedule attached).
- Inspectors would like to see your completed **robot self- inspection checklist** http://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/2016-2017-season/robot-inspection-checklist.pdf

Division Naming

We have chosen to name our two competition divisions for famous Missouri scientists.

- The **Draper** fields will be labeled with **yellow** and are named in recognition of Charles Stark Draper. Dr. Draper was born in Windsor, MO (near Kansas City) and invented the inertial navigation systems that made the Apollo moon landings possible. <https://www.nae.edu/Projects/Awards/DraperPrize/DocDraper.aspx>
- The **Godwin** fields will be labeled with **green** and are named in recognition of Linda M. Godwin. Dr. Godwin is a local girl from Jackson, MO. She attended SEMO for her undergraduate degree. She went on to become a NASA astronaut and flew 4 shuttle missions before becoming Deputy Director of Flight Crew Operations Directorate. She currently teaches at the University of Missouri. <http://www.missourilegends.com/business-and-technology/linda-godwin/>

Two Division Competition Explanation

Just a quick explanation of how this event works. Teams are randomly sorted into two divisions for match play. Qualifying rounds and alliance selection progress within divisions all the way up to a Winning Alliance for each division. Those two Alliances play for the Qualifier Championship – one wins Winning Alliance and one wins Finalist Alliance. All judged awards are across the field of 48 teams.

Event Pictures

- We strive to have event photographers available to capture all the excitement.
- We post their pictures on our Flickr site www.flickr.com/ftcstlouis
- This may take a few days as they are all volunteers and are graciously donating their time.
- Feel free to download the pictures to share or use in press releases, yearbook, etc.

Event Results

We love our event scoring website www.moftcscores.net !!! Events typically update on Sunday night but this event will end Sunday evening, give us an extra day.

Advancement Criteria

We will advance Teams will advance to the next level of competition in the order indicated below according to the number of spots available.

1. Qualifier Host Team
2. Inspire Award Winner
3. Winning Alliance Captain
4. Inspire Award 2nd place
5. Winning Alliance, 1st team selected
6. Inspire Award 3rd place
7. Winning Alliance, 2nd team selected
8. Think Award Winner
9. Finalist Alliance Captain
10. Connect Award Winner
11. Finalist Alliance, 1st team selected
12. Rockwell Collins Innovate Award Winner
13. Finalist Alliance, 2nd team selected
14. PTC Design Award Winner
15. Motivate Award Winner
16. Control Award Winner
17. Highest Ranked Team* not previously advanced until all spaces are filled, beginning with the Winning Division and alternating to the Finalist Division team of equal rank.
18. Think Award 2nd Place
19. Highest Ranked Team not previously advanced until all spaces are filled, beginning with the Winning Division and alternating to the Finalist Division team of equal rank.
20. Connect Award 2nd Place
21. Highest Ranked Team not previously advanced until all spaces are filled, beginning with the Winning Division and alternating to the Finalist Division team of equal rank.
22. Rockwell Collins Innovate Award 2nd Place
23. Highest Ranked Team not previously advanced until all spaces are filled, beginning with the Winning Division and alternating to the Finalist Division team of equal rank.
24. PTC Design Award 2nd Place
25. Highest Ranked Team not previously advanced until all spaces are filled, beginning with the Winning Division and alternating to the Finalist Division Team of equal rank.
26. Motivate Award Winner 2nd Place

*Refers to qualifying ranking

Source: http://www.firstinspires.org/sites/default/files/uploads/resource_library/ftc/team-advancement-criteria.pdf