



NEW MEXICO FIRST TECH CHALLENGE



Welcome to the NM *FIRST* Tech Challenge Regional Championship!
Hosted by Sarracino Middle School

Welcome to Socorro!

We are SO looking forward to seeing you all January 27-28 at our Regional Championship held here in Socorro, New Mexico! This year's game Power Play is an exciting one! It's time to celebrate the achievements of your team. Please read the following information and help us have a fantastic tournament. **Good luck Teams!!!!**



PRESENTED BY  Raytheon Technologies

Schedule for the Friday, Jan 27, 2023 5:00 pm – 8:00 pm

Venue opens to teams at 5PM for early check in, inspection, pit set up and practice. We encourage as many teams as possible to take advantage of this opportunity. Getting all teams inspected in a timely manner will ensure that the event runs on time. At 8:00 PM the venue closes for the night. (closing times can change ... we will announce or check at registration desk!)

If you have problems locating the entrance or checking in, please call Jim at (575) 418-7092 for help!

Saturday, Jan 28, 2023

- 7:00 am Pits open, Team registration opens, Inspection continues
- 7:30 am Teams must be checked in by 7:30 am so we can generate the schedules
- 7:45 am Drivers meeting on the field in the auditorium with the head Ref & Coaches meeting in the gym with the Tournament Director. Schedules will be distributed.
- 8:00 am Judging sessions and practice matches begin
- 10:00 am Opening Ceremonies
- 10:20 am Qualification Matches begin
- 12:00 pm Lunch Break
- 1:00 pm Qualification matches resume
- 2:00 pm Alliance Selections
- 2:30 pm Elimination matches
- 5:00 pm Awards & Closing ceremony
- 6:00 pm Event ends (all teams please clear by 6:30 pm unless you are helping with teardown!)
- 8:00 pm Building closes

PLEASE NOTE THAT NO WIFI NETWORKS MAY BE SET UP BY TEAMS IN COMPETITION VENUE!

With the Android robot controller, WiFi interference has been minimized, but not eliminated. Outside WiFi networks and devices may interfere with Android communications on the competition field, so we would also ask that all mobile devices with WiFi capability have the WiFi set to off or airplane mode during the competition. One team computer can be added to a guest network for software downloads and troubleshooting, however it **MUST** be taken off the network after diagnostic or repair use. We will provide connection info at the event.

Check-in

Your team roster and all student consent forms for all team members and mentors should be completed in the FIRST registration system. **The printed roster must be turned in a team check-in.** Hard copy Consent forms with those individual hand written on the roster can be accepted but are discouraged. **Students are not allowed to compete by FIRST without one or the other of these!**

Inspection

Hardware inspection takes place with your robot at the inspection table in the pit area. Software inspection takes place on a practice field. Your team will not be allowed to compete in qualifying matches until your robot has passed inspection! ***Please make passing inspection a priority!***

Team Setup/Pits

Teams will setup pits in the gymnasium. We will provide one 6ft table and a couple of chairs in a 10 ft x 10 ft space. A large power strip will be provided along side walls for you to plug into. Teams are required to bring an extension cord (50 ft or longer) if you want power in your pit. **Please use only gaffer tape on floors – NO Duct Tape!**

Schedules

Practice matches are on a first come, first serve basis. Match and judging schedules will be generated once all teams are checked in. Each team will get 5 qualifying matches with time built in for robot repairs and battery charging. Teams will also be assigned a 10-15 minute judging interview time that will take place before opening ceremonies. If possible, the whole team and robot are invited and encouraged to participate in the interview. **Please - be at your interview at LEAST 5 minutes prior to your assigned time!** After lunch, judges will circulate throughout the pits and the competition field to interview teams informally. **Please be sure there is always someone at your pit during this time who knows where the team is.**

Engineering Portfolios

FTC requires teams to document their build season in an engineering portfolio. Six of the possible eight awards require teams to submit an engineering portfolio in order to be eligible for an award. Please make sure your team brings their portfolio that documents their journey through the Power Play challenge! **Portfolios, Control Award Submissions and Judge Feedback Requests will be collected during the team's initial judging interview. Please place those into three separate folders.**

Food

Food can be consumed in the gym and auditorium. **Please clean up after yourself!** We need to leave the area as we find it!

There is ample food & lodging available along California Street within a few miles radius of the school.

Directions & Parking

Sarracino Middle School is located at 1425 El Camino Real St in Socorro. You will take exit 150 off of Interstate 25. At the stop light at the bottom of the ramp, make an immediate right onto the NE frontage road. Turn left on Skylark Dr. and follow it to the end, the school will be right in front of you. When you enter through the gate, parking is just to your left. The main entrance to the school is through the main doors. You may pull up to the north side of the Gymnasium to load in/out but please think of your fellow teams and be quick! I've attached an aerial view showing how to get to the school and a blow-up of where to park and enter the building



Advancement to the New Mexico Championship

New Mexico has two advancement slots to the **FIRST** World Championship, April 18-22 in Houston, TX. Teams advancing to that event will receive an invitation from **FIRST** Headquarters. New this year, **FTC** teams advancing to that event are expected to arrive there Tuesday, April 18 for check-in & inspection.

Things to remember:

- Don't forget your Gracious Professionalism!
- Bring your team roster and/or please have all student consent forms for all team members and mentors completed in the FIRST registration system. Hard copy forms can be accepted but are discouraged. **Students are not allowed to compete by FIRST without one or the other of these!**
- Remember to bring your engineering portfolio.
- Please bring safety glasses for your team and all guests – they are required in all Pit and Competition areas.
- Closed toed shoes only in the pits and on the field.
- Scout! You never know if you might be selecting an alliance.
- Cheer! Bring up the energy of our event and have a blast!
- Make sure your robot batteries are fully charged before coming out to a match. This is the #1 reason why robots stop moving on the field and is entirely preventable!
- Please no WiFi devices except one team computer as needed!!
- Please leave our school cleaner than you found it.
- HAVE FUN!

GO TEAMS!

**Jim Jackson,
New Mexico FTC Program Delivery Partner**