



NEW MEXICO FIRST TECH CHALLENGE



NEW MEXICO Welcome to the Albuquerque *FIRST* Tech Challenge Qualifying Tournament!
Hosted by La Academia de Esperanza Charter School and Zia Robotics FRC Team 6974

Welcome to Albuquerque!

We are SO looking forward to seeing you all January 13-14 at our qualifying event held here in Albuquerque, 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 13, 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. (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 14, 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 with the head Ref & Coaches meeting in the Outer Lobby with the Tournament Director. Schedules will be distributed.
- 8:00 am Judging sessions and practice matches begin
- 10:30 am Opening Ceremonies
- 10:45 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
- 4:30 pm Awards & Closing ceremony
- 5:30 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 the competition field. Your team will not be allowed to compete in qualifying matches until your robot has passed inspection! ***Please make passing inspection your first priority!***

Team Setup/Pits

Teams will setup along the two sides of the Auditorium. 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 both 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!

The Auditorium and Pit area are carpeted so please no drilling or cutting. A separate work area with hard floors, tables and power will be provided right outside the pits for that type of work.

The pit areas in this facility are a little darker than you may be used to. We are looking to add some additional lighting but recommend bringing LED type string, rope or work lights with you. The area has high ceilings so canopies and other pit structures are allowed and welcome.

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 or 6 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 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 pit 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 auditorium. **Please just clean up after yourself!** The spaces we are in will be used for Church services the very next day, so we need to leave the area as we find it!

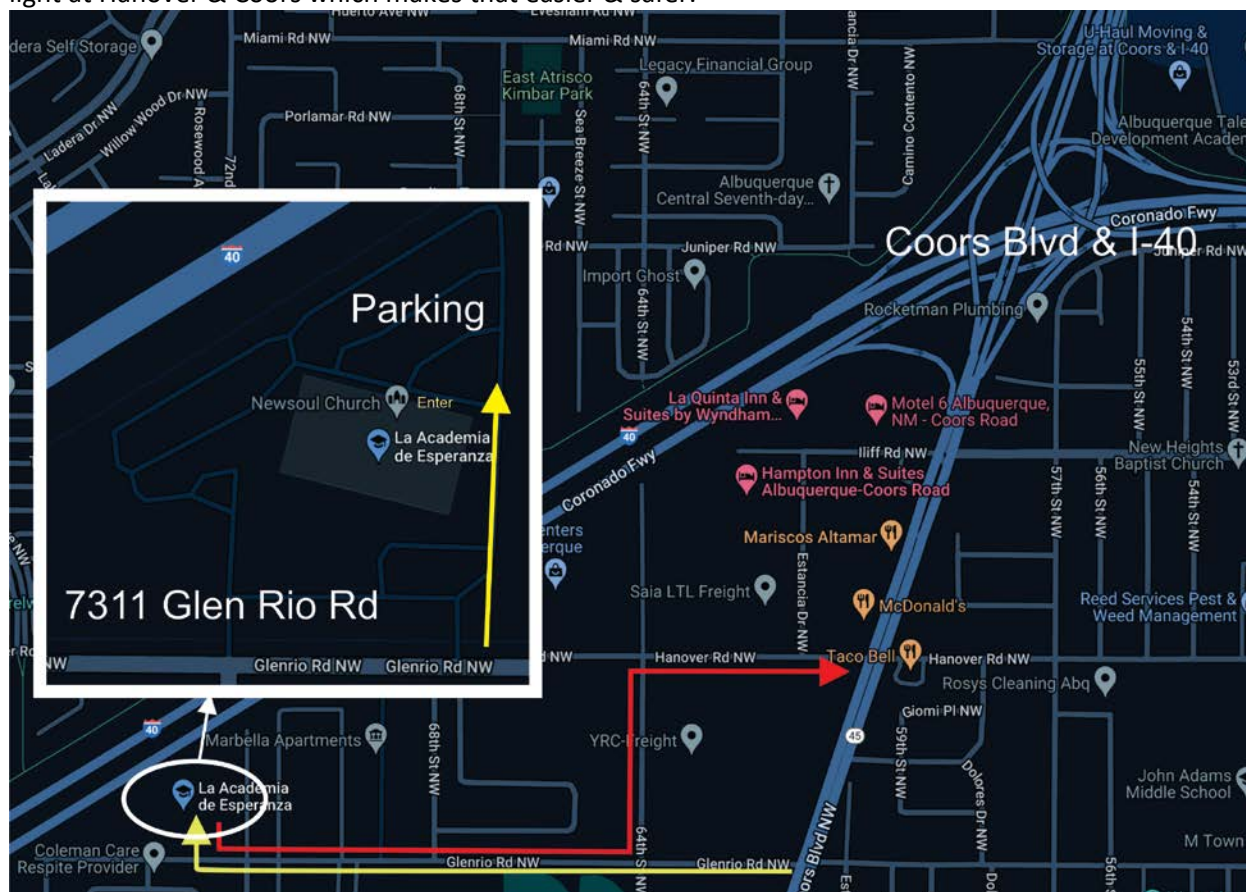
There is ample food & lodging available along Coors Blvd within a few miles radius of the school.

Directions & Parking

La Academia de Esperanza Charter School is located at 7311 Glenrio Rd NW. in Albuquerque. They are in a new location and some Google searches will still show it as Newsoul Church (the previous owners of the building). Also, if you are following smartphone navigation, make sure it is going to the 7311 Glenrio Rd address, not Old Coors Blvd (their previous address). When you enter through the gate, drive around to the right side of the building and you will see the doors on the back. All entry, exit & loading will be through those main doors. You may pull up in front of the building to unload but please

think of your fellow teams and be quick!

I've attached a map showing how to get to the school and a blow-up of where to park and enter the building. It is easy to get to the school by turning directly onto Glenrio Rd off of Coors Blvd. However, when you leave the school to go north on Coors Blvd (as most probably will), follow the red line I've shown. It is very difficult to turn left from Glenrio Rd onto northbound Coors Blvd. There is a traffic light at Hanover & Coors which makes that easier & safer.



Advancement to the New Mexico Championship

The New Mexico Championship will take place in Socorro, NM on January 27 & 28, 2023 at Sarracino Middle School.

If your team advances to the Championship, you will have until the Tuesday following the Qualifying Tournament to accept your spot at the tournament. Please register for the championship by visiting <https://nmftc.org/calendar-of-events/> by 5 pm Jan 17 to secure your spot, or your place will be given to the next team on the advancement list. The number of teams advancing from each Qualifying Tournament depends on the size of the event, but will be approximately 13 teams competing at this qualifying event.

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

Lead Mentor, Zia Robotics FRC 6974