



2018 FIRST Ontario Provincial Championship

Guide for Competing Teams

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FRC Schedule

Wednesday, April 11th

Time	Location	Scheduled Event
3:00pm – 6:00pm		Team Load-In <i>Maximum 5 reps per team</i>
6:00pm		Pits open Spectator seating opens Robot inspections begin Practice field opens Machine shop opens
7:00pm – 9:00pm		Filler line practice matches <i>Completion of robot inspection NOT required</i>
9:00pm – 9:45pm		Fields open for measurement and calibration
9:30pm		Practice field closes
9:45pm		Machine shop closes
10:00pm		Pits close Spectator seating closes Robot inspections close

Thursday, April 12th

Time	Location	Scheduled Event
7:30am		Pits open Spectator seating opens Robot inspections resume Practice field opens Science and Technology fields open for measurement and calibration
8:00am – 8:30am		Drivers' meeting <i>Each team should send at least one drive team representative to attend</i>
9:00am – 10:45am	Science Field Technology Field	Scheduled practice matches Filler line practice matches <i>Completion of robot inspection IS required</i>
11:00am	Science Field Technology Field	Qualification matches begin
1:00pm – 2:00pm		Lunch break
6:00pm		Qualification matches end
6:30pm		Practice field closes
6:45pm		Machine shop closes
7:00pm		Pits close Spectator seating closes

Friday, April 13th

Time	Location	Scheduled Event
7:30am		Pits open Spectator seating opens Practice field opens Machineshop opens
8:30am – 9:00am		Opening ceremonies
9:00am	Science Field Technology Field	Qualification matches resume
1:00pm – 2:00pm		Lunch break
5:30pm		Qualification matches end
5:30pm – 6:00pm		Friday awards ceremonies
6:30pm		Practice field closes
6:45pm		Machine shop closes
7:00pm		Pits close Spectator seating closes

Saturday, April 14th

Time	Location	Scheduled Event
7:30am		Pits open Spectator seating opens Practice field opens Machineshop opens
8:30am – 9:00am	Science Field	Opening ceremonies
9:00am – 9:30am	Science Field Technology Field	Alliance selections
10:00am	Science Field Technology Field	Divisional playoff matches begin
1:00pm – 2:30pm		Lunch
2:30pm – 6:00pm	Science Field	Divisional awards ceremonies Ontario Finale Ontario Championship awards ceremony
6:30pm	Meeting Room A	Logistics Meeting for teams qualifying for World Championships

FIRST Ontario Provincial Championship Divisions

Science : <https://frc-events.firstinspires.org/2018/ONCMP1>

Technology: <https://frc-events.firstinspires.org/2018/ONCMP2>

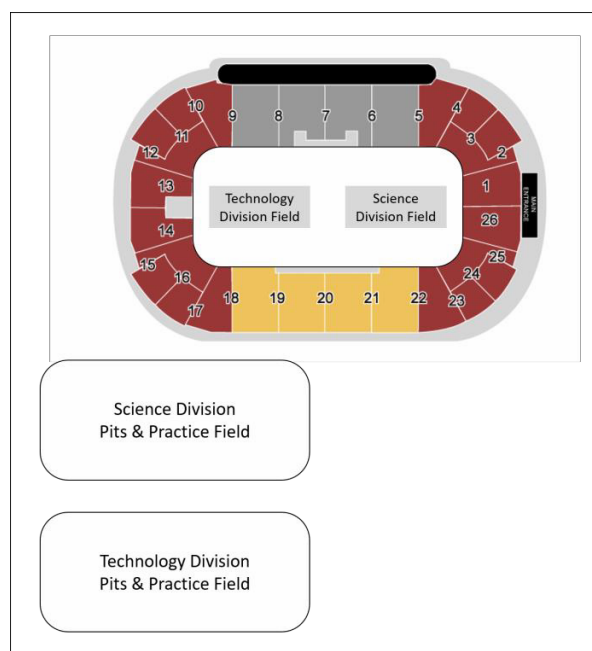
The Venue

Hershey Centre

5500 Rose Cherry Pl Mississauga, ON L4Z 4B6 - [Google Maps](#)

Both Science and Technology Division competition fields will be in the main arena area of the Hershey Centre, with the pits and practice fields residing in other hockey rink areas within the venue.

Approximate (poorly drawn) map of venue setup:



Locations of and directions to other important rooms, such as judged award interview locations, will be available at Pit Admin.

Parking

Free parking is available on site.

Concessions

Concessions are available for purchase at the Hershey Centre. As a courtesy to the venue, please do not bring food from external locations into the venue.

Lunch Orders

Boxed Lunches can be ordered for Friday and Saturday at \$10.00

Please [click here](#) to view the Team Lunches.

Click [here to order Team Lunches](#)

The Tournament

The *FIRST* Ontario Provincial Championship is a 2-division FRC District Championship event. Two 40-team divisions, named the Science Division and Technology Division, will compete until a division champion alliance is decided, via normal FRC tournament structure. The division champion alliances will compete against one another in the Ontario Finale, to crown the ultimate *FIRST* Ontario Provincial Champion alliance.

Qualification Matches

Qualification matches will be played on both division fields, with each division alternating matches (eg, only one match from either division will be played at a given time).

Alliance Selections

Each division will select eight 3-team alliances, as per usual Ontario District FRC event standards.

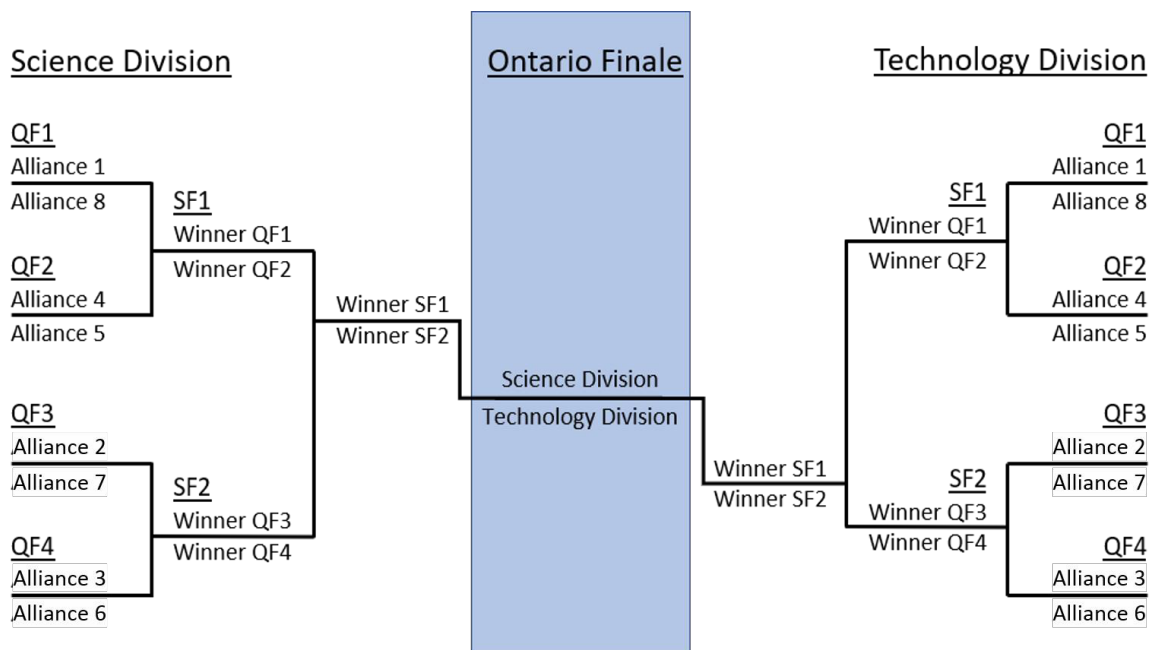
Playoff Matches

Just as in qualifications, matches will be played on alternating division fields. Each divisional semi-finals matches and divisional finals matches will begin after all matches from both divisions in the preceding rounds are completed (eg, both fields will wait until all QF matches are complete until either plays a SF match).

Normal backup robot and timeout rules apply. Time outs will be based on the timing of the division it is requested in, and could be simultaneous with matches occurring on the other divisional field (eg, a timeout will begin 120 seconds after the preceding divisional match, not after the match on the other divisional field).

Championship Matches

During the Ontario Finale, a best-of-three series will be played between the division champion alliances to crown an Ontario champion alliance. These matches will be played on the Science Division field, and matches will be interspersed with other activities.



Alliances on the top of each bracket will play as the Red Alliance, and alliances on the bottom of each bracket will play as the Blue Alliance.

Admission

There is no fee to attend the 2018 *FIRST* Ontario Provincial Championship; the event and pits are open to the public, space permitting. Please note that backpacks, bags maybe subject to security checks.

FIRST Championship Event Qualifier Logistics

Nearing the end of the Ontario Finale, Ontario District teams qualifying for the *FIRST* Championship event will be revealed.

Qualifying teams are required to ship their robot to the *FIRST* Championship event in a robot crate. Teams do not need to bring a shipping crate to the Ontario Provincial Championship, as qualifying teams will be shipping their robots from their team home/school on Tuesday, April 17th.

Qualifying teams should plan to send at least one responsible team member to attend the logistics meeting on Saturday evening at 6:30 in the 2nd floor meeting room near the Technology Division Pits. This meeting will cover info on shipping, travel and Championship requirements.

Teams qualifying for the *FIRST* Championship event should expect to build a crate for robot shipment – the robots must remain bagged & tagged inside the crate. Robots from the Ontario District will be shipped to *FIRST* Canada sponsor Centerline, in Windsor, where staging and forwarding to the Detroit championship location will occur.

Details on robot crate construction:

<https://www.firstinspires.org/resource-library/frc/robot-transportation#Teams%20Shipping%20to%20FIRST%20Championship>

Robot crate construction plans:

<https://docs.google.com/document/d/1YAyXRuRXL2Fi15ike83Qgz0KmCuuv4bPYovDABfnRxs>

Machine Shop

Machine shop services, should they be needed for robot repairs, will be available in the loading dock area of the venue. Please refrain from disruptive repairs or repairs that could be potentially unsafe in the confined spaces of the pits outside of the machine shop. The machine shop will open shortly after the opening of the pits, and will close 15 minutes before the pits close, to ensure an on-time closing of the pits. Please ensure that no student is operating machines.

Media Passes

Teams will receive one media pass with their drive team buttons, which will grant access to designated area(s) on the arena floor. Team media members must refrain from any drive team activities (including but not limited to coaching, strategizing or robot repairs) while on the arena floor, and must remain in designated areas during matches. Team media passes are subject to revocation if arena floor access is misused.

Medical Incidents / First Aid

Report any medical or first aid-related incidents to Pit Admin, *FIRST* volunteer or staff members, or venue staff. First Aid and EMS services will be provided on site.

Non-Medical Incident Reporting

Report incidents relating to safety or Gracious Professionalism® to any program's Pit Administration area.

The Pits

There will be two designated pit areas, one for each competition division. Each pit area will contain the pit spaces for the divisions' teams, a robot inspection area, a pit admin area (including spare parts), and a designated practice field space. Teams are required to use the inspection and practice field space designated for their division. Teams may use other spare parts locations, if their designated location cannot satisfy the team requirement. Due to ice in the Technology field, it may be a bit cooler. Please ensure your dress accordingly.

Pit Closing

Medical and First Aid services leave the venue at pit closing time. For your team members' safety, please be respectful of the Pit closing time each day.

Pit Hours

Wednesday	4:00 pm - 6:00 pm (Team Load-in, 5 Team Reps only) 6:00pm – 10:00pm (open to all team members and the public)
Thursday	7:30am – 7:00pm
Friday	7:30am – 7:00pm
Saturday	7:30am – 6:00pm

Pit Safety and Age Requirements

All persons in the pit must wear safety glasses, closed-toed shoes and safe clothing/accessories, and follow proper safety procedures at all times. Children aged twelve (12) and under must have an adult, aged eighteen (18) or older, with them at all times.

Pit Stations

Each team has approximately the same Pit space. Extending beyond your Pit space is not allowed. Aisles must be clear for robot and team movement, safety, and queuing reasons, so we suggest that team members watch the matches and cheer on the teams instead of overflowing the pit stations into the aisles. Do not build any structure that supports people or stores items above the work area/pit space. If the height exceeds ten feet, you will be asked to take it down. No advance placement requests are available. No requests for displays, additional tables, Pit locations, division assignments, meeting rooms, or additional space will be considered. Teams may not expand their pit activities to unused pits.

Playoff Pit Spaces

The FTA and event management will inform alliance captains of playoff pit availability during the post-alliance selection meeting. In general, playoff pits will be an assigned space on the arena floor, and should be used by teams to reduce transit time between the arena floor and pit.

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Teams are able to bring hand tools and other small pit items (eg, tables, lights, etc), but will not be guaranteed any access to power. As per the FRC game & tournament manual, teams participating in the playoffs will be allowed to bring up to 3 pit crew members to their playoff pits, in addition to the 5 drive team members. Team media members may also remain, but must refrain from any sort of non-media related activities (eg, strategizing, robot repairs, etc).

Practice Field

Practice field components are available for team use*, with one set of official practice field components in each pit area. Teams should use the practice field area that's designated for their pit area, and not attempt to use other practice field components.

To ensure safe operation, teams will be required to sign up for a practice field time slot to use the practice field. The practice field will open shortly after the pits open, and close 30 minutes prior to pit close. On the final day of competition, practice fields will be available for team use until the start of the divisional quarter final rounds, and will close for team use at that time.

* For *FIRST* PowerUp, practice field components may be used as spare competition field elements, if needed. In the unlikely scenario of a major competition field component failure, practice field elements may be removed from the practice field to supplement the competition field. The event will make all attempts to remedy the situation and create functional practice field components if this occurs, but fully functional components cannot be guaranteed.

Practice Matches

Practice matches will be provided to teams to give a chance to calibrate, practice and test new mechanisms, as is usual at FRC events.

Practice match times:

- | | |
|-----------|---|
| Wednesday | 7:00pm – 9:00pm*
(Filler line, teams are not required to pass inspection, but will be monitored closely for unsafe or damaging robots or mechanisms). Teams must use their assigned division's field for all practice matches. |
| Thursday | 9:00am – 10:45am
Regular practice matches, with filler line. Teams are not required to pass inspection for their scheduled practice matches, but do require completion of inspection to take part in the filler line. Teams must use their assigned division's field for all practice matches. |
| Saturday | During lunch
Alliances that are invited to play in the Finale Championship matches will be given one 3v0 practice match during the lunch break on the Science field (where the Finale matches will be played), to ensure fairness and readiness for the matches. |

* Wednesday evening practice matches are subject to adequate field completion.

Queuing

As with every FRC event, teams are responsible for knowing their match times and will have to queue 15-20 minutes prior to their matches without the help of an announcer. Teams need a minimum of 5 minutes to travel from their Pit space to the arena floor; please leave extra time to get back and forth between the pits and arena floor.

For qualification matches, we will run “dynamic scheduling.” We will make every effort to keep close to the published schedules. Keep close watch of the pit display for any moment-to-moment changes. If your team is one of the first three (3) matches of the day, queue early enough to be on the field. While pit announcing will do its best to inform match participants of match queuing timing, you are responsible for your own schedule. Teams should ensure they check in with queuing members from their assigned divisional field.

Team Load In

Team load in will begin at 3pm on Wednesday, April 11th, with teams allowed to bring up to 5 members to drop off items in the pit. Robots may not be unbagged during load-in time.

Load-in drop-off locations will be on the south-west side of the Hershey Centre:



Teams assigned to the Science Division should load into the Rink 2 doors, and teams assigned to the Technology Division should load into the Rink 3 doors:



Webcast

The FIRST Ontario Provincial Championship webcast will be hosted on WatchFirstNow.com.

Wireless Networks

Wireless Access Points of any kind, including mobile hotspots, are not permitted in the main arena area or arena floor. Due to the wireless nature of *FIRST* control systems, access points have the potential to degrade field-to-robot communications, which are critical to a successful and fair FRC event.

Wireless availability outside of the main arena area will be evaluated during the course of the event. While we certainly appreciate the positive potential team-created wireless networks could represent, there is a chance such wireless networks could interfere with planned activities during the event. Please listen to event staff and volunteers at the event for more details.

Good Luck Teams!