



FIRST[®] LEGO[®] League Challenge Ontario Provincial Championship Team Information Package



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FOR INSPIRATION & RECOGNITION OF SCIENCE & TECHNOLOGY

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Ontario Provincial Championship

Tournament Timeline

Date	Activity
Friday, April 30	Deadline to submit team intro slide, one (1) practice match for review by referee and optional recording of Innovation Project presentation
Saturday, May 1	Resolve any issues with recording, based on written feedback received from referee, to improve ease of scoring
Sunday, May 2 - Monday, May 3	Submit three (3) official matches, recorded within a 6-hour window of your choosing (time-stamped), for scoring by referees
Tuesday, May 4	Team will receive the scores from their official matches
Tuesday, May 4 or Wednesday, May 5	Teams meet virtually with judges for one (1) 30-minute judging session between 5:30 p.m. and 8:30 p.m.
Wednesday, May 5	Meet with referee to review scores
Saturday, May 8	Team Showcase, including opening ceremonies, match footage with live commentary, project presentations & awards ceremonies

Team Size

The maximum number of children on your team is 10. All members of your team must be between the ages of 9 and 14 years. For the upper limit, no student can be older than 14 years of age as of January 1, 2020, to be eligible to compete in the *FIRST*® LEGO® League Challenge RePLAYSM season.

Coaches' Meeting

The Coaches' Meeting will be held via webinar on **Thursday, April 29 at 4:00 p.m.** at which coaches will have an opportunity to:

- Meet and ask questions of the Tournament Director, Head Referee & Judge Advisor
- Understand the flow of the event
- Ask questions related to judging, the robot game and any other tournament-related questions

Please ensure that at least one coach from your team attends the meeting, even if you have competed at a tournament in the past. Please click the following link to join:

<https://us02web.zoom.us/j/88353408544>

Judging

Judging sessions are an opportunity for teams to share all that they have learned and accomplished throughout the season and will be evaluated using the rubrics at this [LINK](#). During the 30-minute virtual judging sessions, for which coaches will receive a joining link to share with their team members, teams will have:

- 2 minutes for introductory conversation and to attend to any technical requirements (i.e., screen sharing)
- 5 minutes to perform Innovation Project presentation
- 5 minutes to answer questions about Innovation Project
- 5 minutes to explain Robot Design
- 5 minutes to answer questions about Robot Design
- 3 minutes for Core Values reflection (there will be no Core Values activity for teams to complete)
- 5 minutes to receive verbal feedback from the judges (teams also receive written feedback after the event)

For the Robot Design portion of the judging session, teams are required to prepare a short presentation describing the basic features of their robot (i.e., types of sensors used, basic structure of chassis, number and purpose of attachments, programming language used, number of programs completed and missions accomplished, most consistently completed mission) and the design process (i.e., how it is designed and programmed to consistently and effectively complete missions, how it is designed to be durable, easy to modify and operate, what makes the robot or programming special or unique, how the design and programming changed over time)

Team presentations should be live, but team members do not need to be in the same physical space in order to present “together”. Teams can make use of the various features in Zoom (i.e., screen sharing, the whiteboard tool, virtual backgrounds), as well as costumes and props, to help display information and enhance their presentations. Prior to their judging session, teams are encouraged to practice the process of joining a Zoom call to ensure that everyone’s cameras and microphones work reliably, to practice screen sharing, if required.

All of that being said, please encourage team members to go easy on themselves and on each other if technical difficulties arise. We are all new to this and the judges will be understanding and patient with the teams.

Robot Game

Your team is responsible for knowing and understanding the *FIRST*[®] LEGO[®] League Challenge RePLAYSM Robot Game, including Field Setup, Rules, Missions and Challenge Updates, information about which can be found on the Challenge, Resource & Updates page at this [LINK](#).

Teams will submit recordings of ONE (1) practice match and THREE (3) official matches. The purpose of the practice matches is to ensure that the angle, lighting and timing are optimal for scoring. Referees will review the practice match recordings and notify teams of any issues to correct before recording official matches. Please wait to record official matches until after you have received feedback from the referees about your practice match.

Your Robot Performance score is the highest score your team achieves out of the three official matches. Teams will be notified of their official match scores and will then have the option to meet virtually with referees to review their scores.

Recording Match Videos

Please follow these [guidelines](#) when positioning your camera to record matches and please ensure that the resolution of the recording is 1080p.

- Match recordings should start with a closeup view of the inspection area to allow referees to determine whether or not the team's equipment fits in the small inspection space and to show the height of equipment (please have a ruler available).
- After 1 minute to prepare for launch, start the timer, which should remain in view throughout the recording. Please record the **entire** 2.5-minute match, in landscape mode, even if the robot finishes all of its missions before the time runs out.
- Following the match, include 5-second close-ups of each mission where scoring conditions may not be obvious from a distance (i.e., bench, boccia, slide, health units hanging on the bar, multi-option areas, etc.)
- Please attempt to record the match such that the faces of your team members are **not** visible. If unavoidable, please upload signed copies of the photo release form, available at this [link](#), when you upload recordings of the official robot matches
- Please note that recordings in which the faces of your team members are visible can **only** be shown if *FIRST* Canada receives signed copies of the aforementioned photo release forms for every team member whose likeness appears in the recording

Framing the Shot (landscape view)



Horizontal & Vertical Camera Location



Scoring Matches

The matches will be scored electronically using the Remote Event Hub (REH). You will receive an email inviting you to access the platform so that you can view not only the completed score sheets but your event schedule and links to judging and score review sessions. You may wish to familiarize yourself with the features of the Remote Event Hub by watching the orientation video at this [LINK](#).

Awards & Advancement

The following awards will be presented at this tournament (please click [HERE](#) for awards descriptions):

- Champion's Award - 1st, 2nd and 3rd place
- Core Values Award
- Innovation Project Award
- Robot Design Award
- Robot Performance Award
- Breakthrough Award
- Engineering Excellence Award
- Rising All-Star Award
- Motivate Award
- Coach/Mentor Award

Twelve (12) teams from this qualifying tournament will advance to the Canada Cup on June 7 - 12.

Team Showcase

On Saturday, May 8, *FIRST* Canada will be broadcasting a Team Showcase to celebrate the learning and accomplishments of participating teams that will feature an opening ceremony, team introductions, emcees to provide live commentary on match footage, Innovation Project presentations and a closing and awards ceremony.

So that we can introduce teams during opening ceremonies, please create and share a slide with your team name, team number and pictures of your team's robot, team logo or any other pictures that reflect the identity of your team (but not pictures of your team members). If you must include pictures of your team members, please upload copies of the photo release form, available at this [link](#), when you upload the team intro slide. Please note that any slides in which the faces of your team members are visible can only be shown if *FIRST* Canada receives signed copies of the aforementioned photo release forms for every team member whose likeness appears in the slide.

FIRST Canada would also like to broadcast some Innovation Project presentations to give the viewing audience an idea of the amazing innovations that teams have developed. Any teams that would like their Innovation Project presentations played during the Team Showcase have the option to submit a recording but any recordings in which the faces of your team members are visible can only be shown if *FIRST* Canada receives signed copies of the aforementioned photo release forms for every team member whose likeness appears in the recording. Please also ensure that:

- any students who appear in the same physical location during filming are wearing masks
- only the first names of students are used, if at all
- the recording are no longer than 5 minutes

Submission Deadlines

Please visit the following links to submit the required information by the deadlines listed below:

Submit By	Activity	Link
Thursday, April 29	Pay tournament registration fee	See below for payment information
Friday, April 30	Team intro slide	Click HERE to upload team slide
	Recording of ONE (1) practice match	Click HERE to upload practice match
	Optional recording of Innovation Project presentation	Click HERE to upload recording
	Coach Award nomination form	Click HERE to complete nomination
Monday, May 3	Recordings of THREE (3) official matches	Click HERE to upload official matches

Cost

The cost to participate in this event is \$25/team. Please choose one of the following methods by which to make payment by Thursday, April 29, 2021:

- Contact *FIRST* Canada Finance Manager, Dawn Brillinger, at (905) 391-2866 to pay by phone using a credit card
- Cheque made payable to *FIRST* Robotics Canada and mailed to *FIRST* Robotics Canada at:

P.O. Box 518, Pickering Main
Pickering, ON
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