

Q and A from *FIRST* LEGO League Challenge Training Day

January 10, 2021

Questions	Answers
Do we need to sign -up for the Feb. 6th day?	Yes
Maybe it would be better if the Refs suggested the same camera placement for all?	FIRST has specific instructions on video angles in their "Video Recording Guide". Per the document, based on what missions you focus on, some angles may be better than others. For this reason we cannot request a specific view.
Should a coach grab the robot and give it to the kids or do kids grab the robot and re-launch?	For this year, yes. But please be sure to only pick up the robot if it is in a location that the students cannot reach it. If it is somewhere that the students have access to, the students should be the ones to retrieve it.
Is the entire team required to be at the recording of the run? Is there a minimum number of team members to record the run?	Minimum 2 team members
There were a couple of grey pieces in these bags. Was that a mistake?	Nope! This year, they included non-white pieces in the bag. Be sure to review the criteria for M01.
Is the bench back considered cargo once it is removed?	If the Robot is transporting it, yes
Can Troy confirm where the health units are located on the actual field, not the ones carried to places for the missions?	There are 5 health units located on the field outside of home. Please take a look at the bottom of Page 5 for exact placement. Please note that there is a small black outline in these locations indicating the orientation and exact location of the health units.
What is the maximum amount to cubes?	18 Cubes In total per field. Home: 8 green, 2 blue, 2 red, 1 yellow. Boccia Share: 1 red, 1 blue (does not get deposited onto field). Boccia Aim: 1 yellow.
Minimum number of team members?	Minimum 2 team members
Does robot need to be completely in home or base area on the way back?	Yes, in order to avoid losing a precision token and potentially losing cargo!
Will remote teams be able to share their screens?	Yes
If the loop of the health unit is above the logo, but not touching the mat, does that count?	The scoring condition for M14 is that some part of the health unit is touching the mat in one of the 2 scoring areas.
In the rowing machine, if the blue is touching the line of the small circle will that count?	The line does count, however, it is possible that while the edge of the tire is touching the line, the curved tire surface is outside, which would not count.
Also, is the coach supposed to remove the precision token or the student?	For this year, the coach can remove the precision token in place of the referee.
As per Matt- the end of the match is when the time expires	Remember that the scoring conditions for most missions are determined at the moment the match ends.
Within the video, how are we indicating the time for the actual run? Do we need to set a clock or something?	Feel free to! you can also have someone with a stopwatch. Be sure to have a verbal "Match Start" and "Match End" identifier per the Video Recording Guidelines .
Do you submit three different videos or just one best run to the Remote Hub?	3 videos
Can the loops and the health bridge be interlooped and hang on the bridges?	There is no way to interlock the health loops without temporarily disassembling them, which is not allowed.
This year instead of a poster, can they create slides?	Yes
Do you have to submit the slides on the remote hub beforehand?	They can if they want to
Do team members need to wear the team shirt with the numbers on the front?	That would be helpful
Kids don't have to be in the same place, right?	Right
What are the five things that need to be uploaded?	Robot Runs need to be uploaded and are not included in the five documents. You can consider uploading the Core Values Poster, the programming documentation, items for the Innovative Project presentation, etc..
Can presentations to the judges be a pre-recorded video?	We think the presentation should be live, just like an in-person event. You may upload up to five supporting documents if you want.

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How do we access the Hub?	LeadCoach1 will be invited to the Remote Event Hub after completing all forms and YPP
Please remind us of the deadline to submit items to the hub for judging?	For the Preparation Event it is Wednesday, February 3, 2021, and for the Qualifiers we will let you know the deadline for uploading documents shortly.
Would it be the same judges judging all three parts?	There will be 2-3 Judges who will judge all 3 core awards
During in person judging is there someone to tap on the door to help with time. In the new format is the team responsible?	The team has always been responsible for their timing. Don't count on someone else to do it.
How many judges will there be on each panel?	2-3 Judges per panel
How much time should be reserved for questions on the judging?	See the flow chart provided to teams
Are the coaches going to be on the zoom with the kids or not?	Yes
Can we end the match before the time runs over (when we are done)	Yes
Can all team members log into the zoom?	Yes
Is there a minimum of two members?	Yes
If you are still using the old software available, is it OK to use it?	• Use any software that allows the robot to move autonomously (on its own), run only by programs that are loaded onto the controller
Can a student use a boost?	On page 19 of the rule book, Boost is not mentioned.
if run on 50 % power, will that effect the distance covered?	Yes
Half our team is using Spike and other half the EV3. For a robot run, can we have some use Spike and some EV3?	You can only use one legal robot per match, however, you can run different robots for each of the 3 matches.
Will I be able to complete the missions without using sensing blocks?	Yes
We have been having a tough time printing and saving programs compared to the old software. Would you show the best way for printing and saving to a flash/jump drive?	I would recommend using a screenshot or the snipping tool to make a copy and save as a .pdf for submission
Can I have kids use scratch on their phones to connect to Ev3?	You can program the EV3 however you want, and yes, you can use your phones for that. But when it comes to running the robot in competition, they must run the programs for the EV3 itself. You cannot run the programs from your phone for your official runs, the robot must be completely autonomous and cannot be connected to remotes or phones via Bluetooth.
Does the program save automatically? Also getting an unable to compile the program message when I try to download. It was working a few minutes ago.	I would not trust a program to save automatically, make sure to manually save and also make a backup copy on another device. I have seen multiple teams arrive at competition to find they have programming at all.
Is each challenge a different program or is it one long script for two minutes?	You can program it however you like! Recommendation is to start with smaller programs first and build on it!
Choosing missions to tackle	You can do as many or as few missions as you want! Completely up to you!
Comments	
Note - no ipad is available now	
LEGO removed old software and using scratch . The mobile apps still have the old software, so you could have see issues going back and forth.	
Notes about saving programs - the robot does not store programs, cannot access them from the robot.	