

Virginia/ DC FIRST LEGO League

Rules and Guidelines

What's New with City Shaper ?

- **Champion's Award and Advancement**
 - The formula to determine the Champion's Award and the criteria used to determine which teams advance from qualifying tournaments has been updated. Details available soon.
- **Rubric Updates**
 - The design layout of all the [FIRST LEGO League Rubrics](#) have been updated for the 2019 CITY SHAPER session.
 - Wording in the *Core Values and Robot Design Rubric* have been updated.
- **Innovation Project**
 - The project portion of the Challenge is now named "Innovation Project."
- **Robot Game Updates**
 - Read the [RULES](#) for all the updates, including:
 - New Mat Size due to the new home area. When Table size and Mat placement are correct, Home will measure about 45" by 5-1/2"
 - Robot/Equipment Inspection Area
 - Open Software: First LEGO League teams can use any software that allows the Robot to move autonomously – meaning it moves on its own.

What's New in VA-DC ?

- **Robot Design Judging ** New FORMAT ****
 - Robot Design Judging will NOT have a mission table or mission set. Teams will be provided a table to store and present their robot.
 - Teams will NOT run missions in Robot Design Judging.
 - Teams will be provided a laminated printed copy of the mat and a dry erase marker to show their mission routes.
 - A Robot Design Conversation Guide (under Judging Guidelines below) or Robot Design Executive Summary (RDES) supplied with your mission kit is strongly encouraged.

Judging Guidelines

1. All teams are judges against the official FIRST LEGO League Rubrics.
2. All judging sessions are 10 minutes.
3. Time starts when the door closes.
4. No audiovisual equipment is provided.
5. Three non-team members are allowed in judging sessions but must not interact with the team.
6. Teams should bring a copy of their Team Information Sheet to leave with each judging room. You will need four total.
7. Teams should not leave materials with judges with the exception of the Team Information Sheet.
8. All teams present at the tournament must participate in judging sessions. Teams members present at the tournament who elect to miss a judging session to work on the robot will disqualify a team. A sick team not participating in the tournament is acceptable.

Innovation Project Judging

Format

1. Presentation* – 5 minutes (including setup time)
2. Q&A – 5 minutes

Room Setup

- Rooms will have an open space
- *Adults are not allowed to help teams setup. The presentation must be in compliance with the Challenge Theme and should focus on items defined in the Rubric. The presentation must be live.

Core Values Judging

Format

1. Challenge Activity – 2 to 3 minutes
2. Core Values Poster Presentation (Optional) – 1 minute
3. Q&A – 6 to 7 minutes

Room Setup

The room will have an appropriate area to complete the challenge activity. The team will have an area to gather for Q&A.

Robot Design Judging

Format *NEW*****

1. Robot Sharing – the team will share aspects of their robot design using the Robot Design Conversation Guide or Robot Design Executive Summary or any other interactive format that shares the information with the judges. Teams will NOT run missions. – 3 to 5 minutes
2. Q&A – 7 to 5 minutes

Room Setup

- There will be a surface for the team to store and show their robot.
- There will NOT be a mission set and teams will NOT run missions.
- Teams will be provided a print out of the map to demonstrate their routes.

Robot Design Conversation Guide

The Robot Design Conversation Guide provides teams with a guide for Robot Design Judging. It can be a one-pager, poster, a presentation or tri-fold board.

The Robot Design Conversation Guide should cover the following:

1. How did you come up with your robot design?
2. How did you test your Robot Design?
3. What is your strategy for solving game missions?
4. How did you program your robot?
5. What is innovative about your robot?
6. What was the biggest challenge you faced with your robot?

Tournament Guidelines

- Teams are NOT allowed to bring mats and mission to tournaments. Practice tables will be provided.