

Contest Description

COMPETITION DATE(S): Start Date: Monday, Nov 1 Submission Date: Friday, Nov 5	CONTEST AREA NAME: FIRST LEGO League Robotics
CONTEST AREA NUMBER:	LEVEL: Intermediate
DURATION OF CONTEST: 5 Days	LOCATION: From School

CONTEST INTRODUCTION

Purpose of the Challenge

The 2021-2022 FIRST LEGO League (FLL) season called CARGO CONNECT will be focused on **transportation**, exploring the technological advancements and global challenges that face humanity, asking our community to build creative solutions that will revolutionize the future. This year's CARGO CONNECT challenge is for each team's robot to deliver cargo to different forms of transportation or target locations around the field. The robot must activate mission models that represent transportation safety, efficiency, connection, and access.

[Season | FIRST LEGO League](#)

[FLL Robot Game Missions Video](#)

For this SCIC Virtual Challenge, FIRST LEGO League (FLL) Teams will attempt to complete as many of the FLL Robot Game Missions in 2.5 min as possible. Videotape your attempts and submit your best robot run through Google Drive. Referees will review each team's submitted video, score the run based up on the Scoresheet in the Robot Game Rule Book.

[Robot Game Rule Book](#)

This SCIC Virtual Challenge will be practice for the larger FIRST LEGO League Competition to occur in late February 2022 that will involve judging of Robot Design, Innovation Project, Robot Game, and Core Values.

FIRST Robotics Newfoundland & Labrador
www.firstroboticsnl.org

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Skills and Knowledge to be tested

- Build a robot and its attachments using LEGO® Education SPIKE™ Prime or any LEGO® MINDSTORMS® set.
- Code their robot to autonomously complete a series of missions in a 2.5-minute Robot Game to score points.

CONTEST DESCRIPTION

List of documents produced and timeline for when competitors have access to the documents.

DOCUMENT	DATE OF DISTRIBUTION VIA WEBSITE
Season FIRST LEGO League	Currently all FLL Season material is available

Note: Competitors will not be allowed to compete without the above items.

EQUIPMENT, MATERIAL, CLOTHING

Equipment and Material Competitor must supply:

- LEGO® Education SPIKE™ Prime or any LEGO® MINDSTORMS® set
- FLL Team Registration through FIRST website and receive FLL Challenge Set which consists of the Challenge Mat and LEGO pieces for the missions.

SAFETY REQUIREMENTS

The health, safety and welfare of all individuals involved with Skills Canada NL are of vital importance. Safety is a condition of participation and shall not be sacrificed for the sake of expediency. At the discretion of the judges and technical committees, any competitor can be denied the right to participate should they not have the required proper safety equipment and/or act in an unsafe manner that can cause harm to themselves or others.

Note: Competitors will not be allowed to compete if the above items are not brought and used.

EVALUATION/JUDGING CRITERIA

POINT BREAKDOWN	/1000
Scoring will be based on the Robot Game Rule Book	

ADDITIONAL INFORMATION

Ties

NO TIES ARE ALLOWED AT SCIC.

Competition Rules

Please refer to the competition rules for all general SCIC information.

PROVINCIAL TECHNICAL COMMITTEE MEMBERS

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