FIRST LEGO LEAGUE CHALLENGE

Learn the Missions

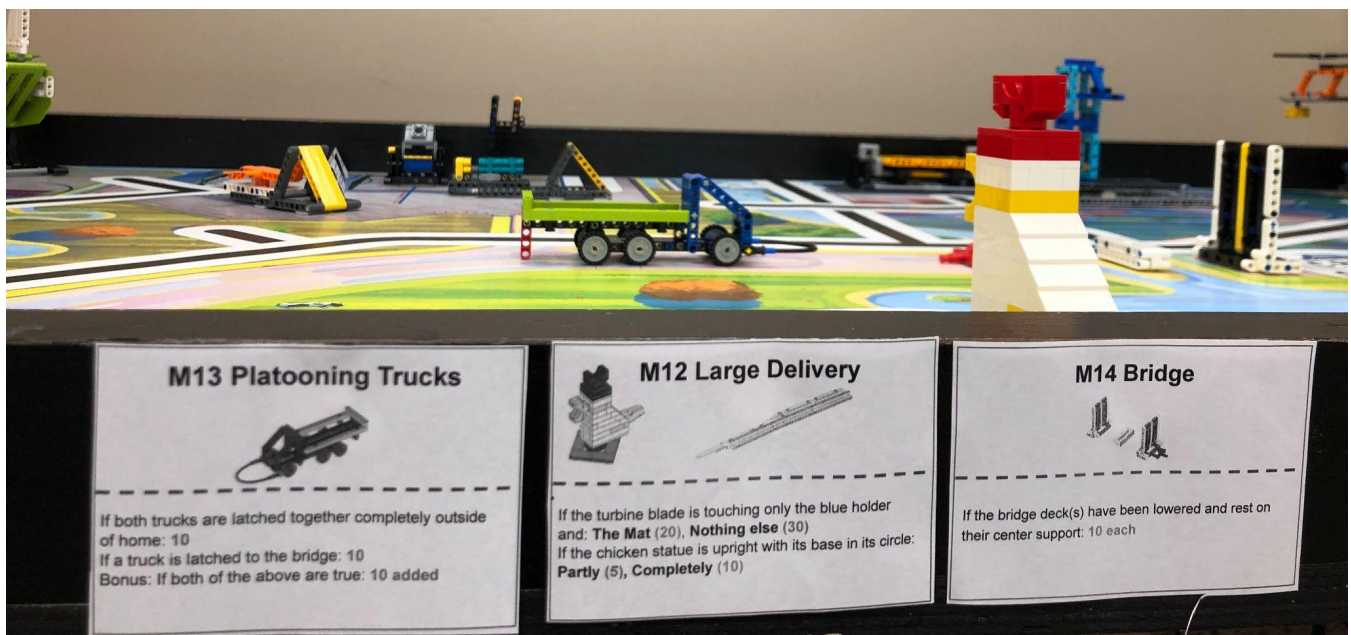**CARGO CONNECT**

FIRST LEGO LEAGUE TUTORIALS

TEAM NAME:

TEAM NUMBER:
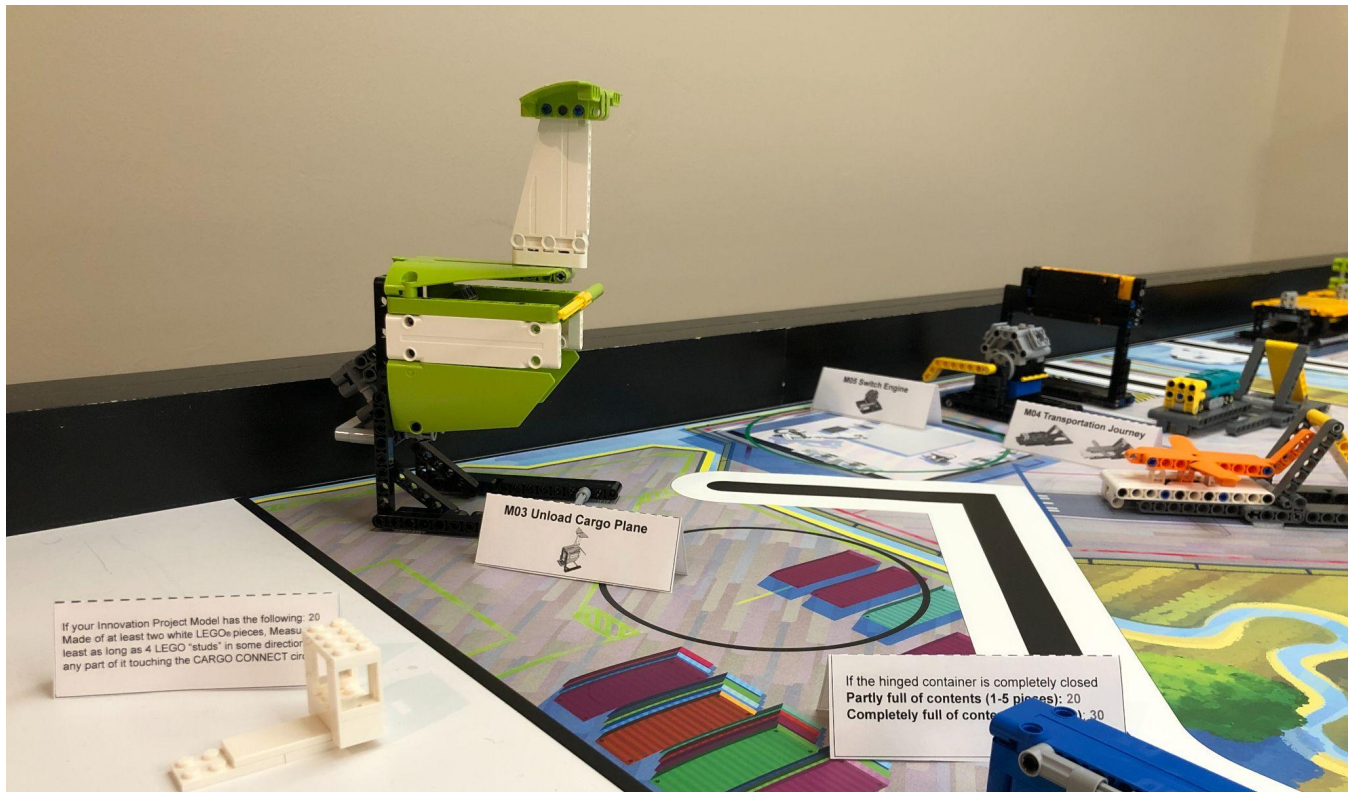
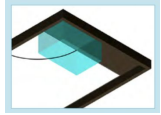*Version 1: Fold and place on table*

Version 2: Use tape to stick along table wall.

Learn the Missions

Instructions: Print out. Cut along solid line. Create a tent fold along the dashed line. Place near matching mission model.

M00 Equipment Inspection Bonus

If all your equipment fits in the small inspection space: **20**
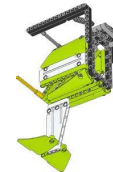
M01 Innovation Project Model

If your Innovation Project Model has the following: **20** Made of at least two white LEGO® pieces, Measures at least as long as 4 LEGO "studs" in some direction, Has any part of it touching the CARGO CONNECT circle.
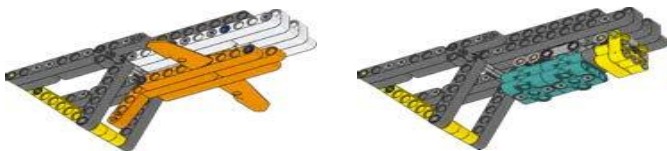
M02 Unused Capacity

If the hinged container is completely closed
Partly full of contents (1-5 pieces): 20
Completely full of contents (6 pieces): 30

M03 Unload Cargo Plane

If the cargo plane has been prepared for unloading so that the cargo door rests completely down, touching its black frame: **20**
If the cargo plane has been unloaded so that the container is completely separate from the plane: **10**

M04 Transportation Journey

If the truck has reached its destination, completely past its blue end line, on the mat: **10**

If the airplane has reached its destination, completely past its blue end line, on the mat: **10** Bonus: If both the above are true: **10 added**
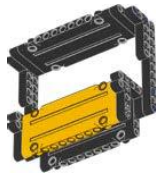
M05 Switch Engine

If the engine has been switched from diesel to electric so that the yellow bar rests all the way down/south: **20**
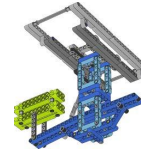
![CARGO CONNECT logo]

Learn the Missions

Instructions: Print out. Cut along solid line. Create a tent fold along the dashed line. Place near matching mission model.

M06 Accident Avoidance

If your robot is parked over the blue accident-avoidance line at the end of the match and the yellow panel is: Not knocked down: **20**, Knocked down: **30**

If the black frame is knocked down at the end of the match, this mission does not score.

M07 Unload Cargo Ship

If the container is no longer touching the cargo ship's east deck: **20**
If the container is completely east of the cargo ship's east deck: **10**
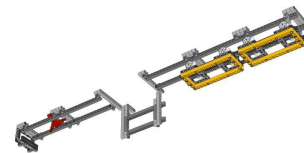
M08 Air Drop

If the food package is separated from your helicopter: **20**
If the food package is separated from the other field's helicopter and is completely in your field's CARGO CONNECT circle: **10**
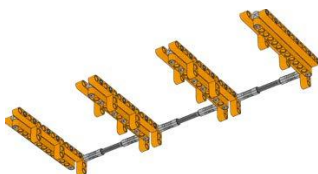If both teams have separated their food packages from their field's helicopters: **10**
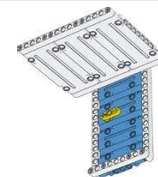
M09 Train Tracks

If the train track is repaired so that it rests completely down/west: **20**
If the train has reached its destination, latched at the end of the tracks: **20**

M10 Sorting Center

If the containers have been sorted so that the light orange container is the only container remaining completely in the blue sorting area box: **20**

M11 Home Delivery

If the package has been delivered to its destination so that it is on the doorstep:
Partly: 20
Completely: 30
The package does not score if it is touching any equipment at the end of the match.

Learn the Missions

Instructions: Print out. Cut along solid line. Create a tent fold along the dashed line. Place near matching mission model.

M12 Large Delivery

If the turbine blade is touching only the blue holder and: **The Mat (20)**, **Nothing else (30)**
If the chicken statue is upright with its base in its circle: **Partly (5)**, **Completely (10)**

M13 Platooning Trucks

If both trucks are latched together completely outside of home: **10**
If a truck is latched to the bridge: **10**
Bonus: If both of the above are true: **10 added**

M14 Bridge

If the bridge deck(s) have been lowered and rest on their center support: **10 each**

M15 Load Cargo

If there are containers on and touching only the:
Platooning Trucks: 10 each *(Max 20 points)*
Train: 20 each *(Max 30 points)*
Cargo Ship's West Deck: 30 each *(Max 60 points)*

M16 Cargo Connect

If containers in any circle **partly (5 each)**, **completely (10 each)**
If blue (not hinged) in blue circle **(20 added)**
If lime green container in lime green circle **(20 added)**
If any circles with at least 1 container completely in them **(10 each circle)**
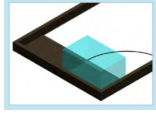
M17 Precision Tokens

If the number of precision tokens left on the field is
1:10, 2:15, 3:25, 4:35, 5:50, 6:50

Learn the Missions

Instructions: Print out. Cut along solid line. Tape to the outside of your robot game table

M00 Equipment Inspection Bonus

If all your equipment fits in the small inspection space: **25**

M01 Innovation Project Model

If your Innovation Project Model has the following: **20** Made of at least two white LEGO® pieces, Measures at least as long as 4 LEGO "studs" in some direction, Has any part of it touching the CARGO CONNECT circle.

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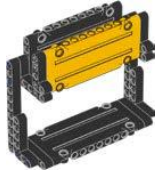
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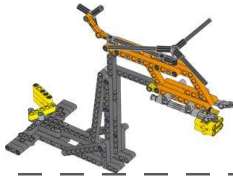*If the black frame is knocked down at the end of the match, this mission does not score.*

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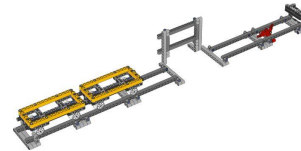
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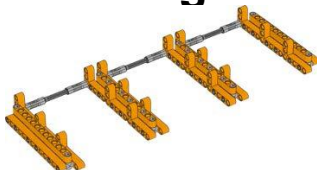If both teams have separated their food packages from their field's helicopters: **10**

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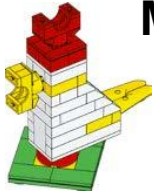
Partly: 20

Completely: 30

The package does not score if it is touching any equipment at the end of the match.

![Cargo Connect logo]

Learn the Missions

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