



FIRST LEGO LEAGUE CHALLENGE

Field Setup Tips



This document is ***NOT*** a substitute for reading the Robot Game Rulebook (RGR) and watching the Field Setup video. It is just a supplementary community-generated tip guide. It will be updated as needed.

How to use this guide:

1. Place the mission models you have built loosely in their correct location (see image below)
2. Watch the official [Field Setup Video](#).
3. Use this document to verify and fine-tune your field setup.

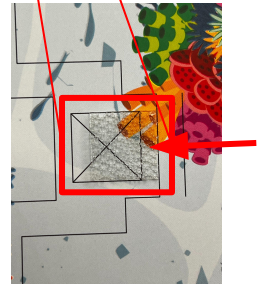
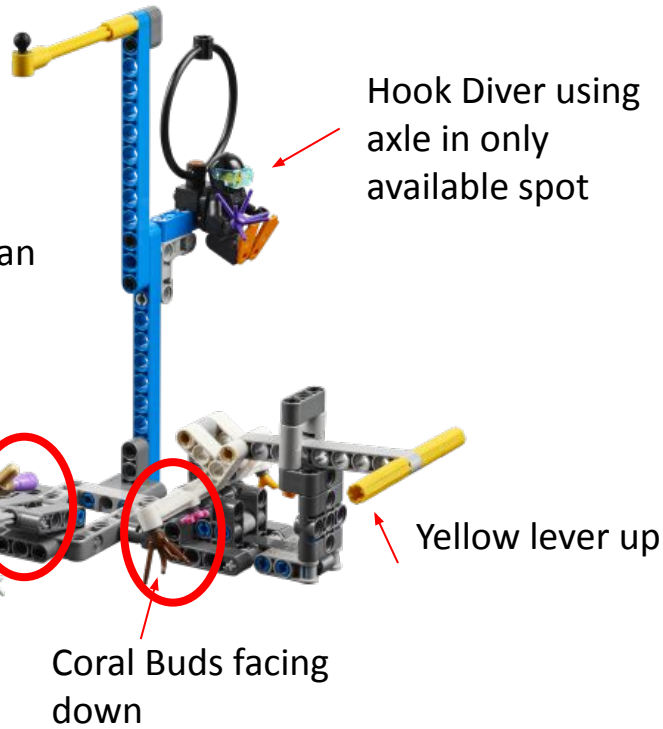
Location on Mat for Each Mission



M01/M04 Coral Nursery/Scuba Diver

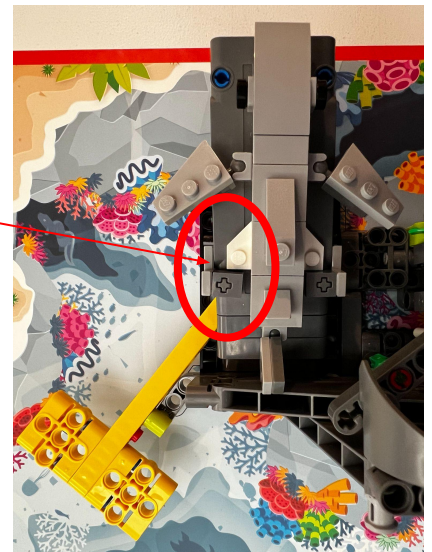
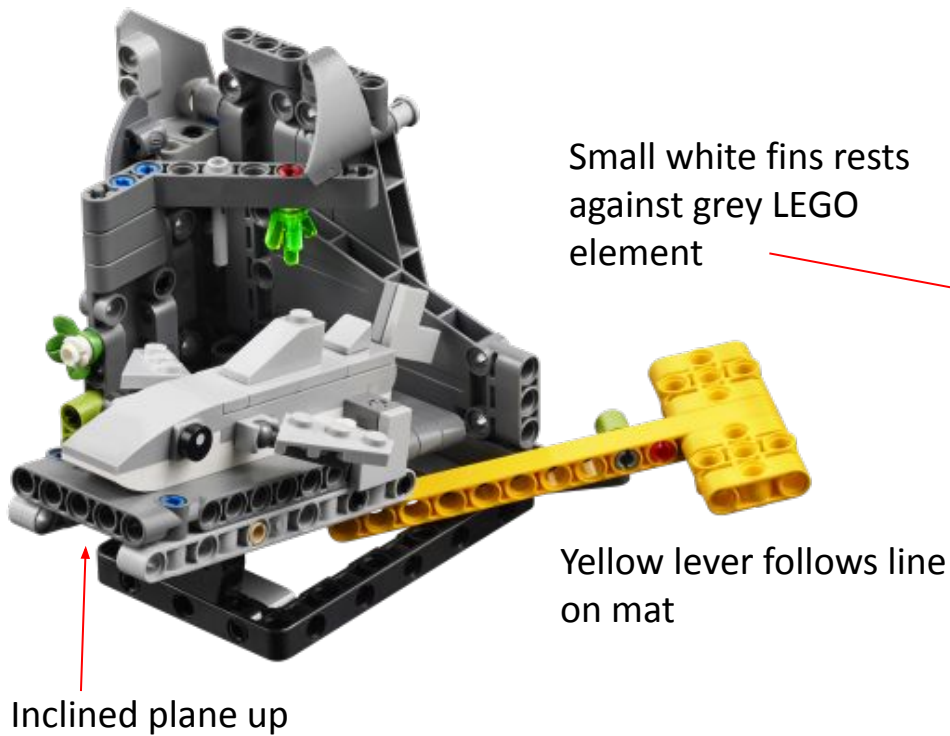
Note: Teams may choose orientation of Coral Tree in holder.

Coral Tree laying at an angle touching mat and inserted into holder



Note: Challenge update asks you to move a dual-lock for this model up to the thin line.

M02 Shark



Top down view for reference

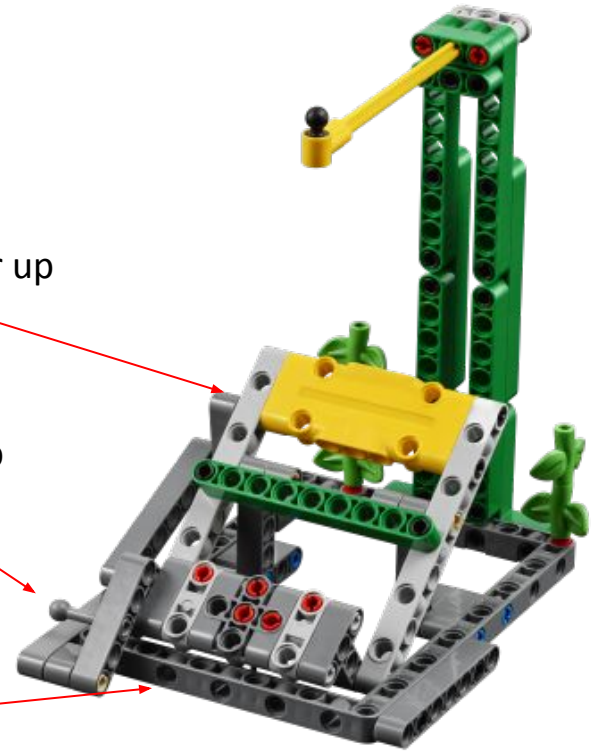
M03 Coral Reef



Side view for reference

Yellow bar up

Use grey handle to help reset.



Flip the Coral Reef so it is facing down in this 45 degree angle. The tips of the Coral will be touching the mat.

M03 Coral Reef Segments Starting Position



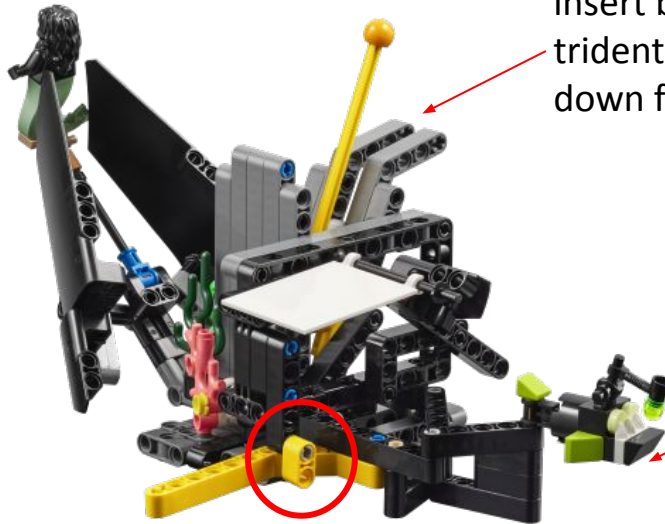
As noted in the Challenge Update, they can be placed in any of the 3 circles

M05: Angler Fish

Assemble trident and insert both parts of trident with fork side down for M14

Angler fish should be out as far as possible

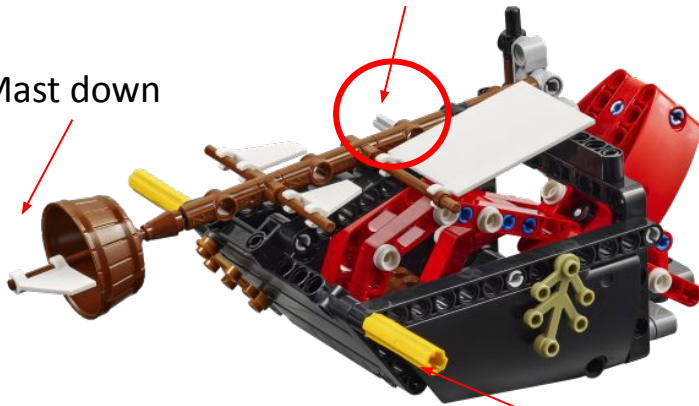
Yellow lever follows alignment line on mat. Notice Yellow Latch position at the start of match.



M06/M07 Raise the Mast/Kraken's Treasure

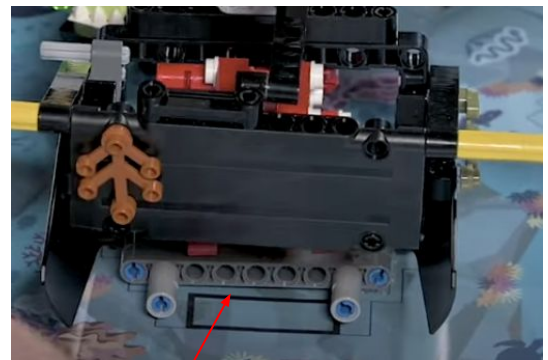
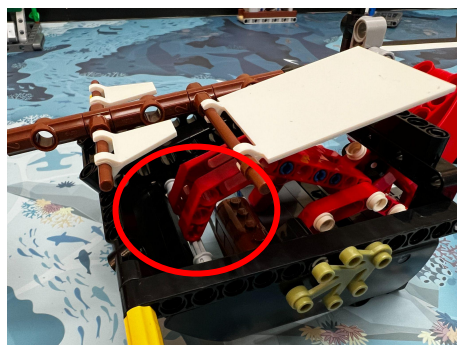
Reset lever for mast. Note that you will have to lift the tentacles up by hand.

Mast down



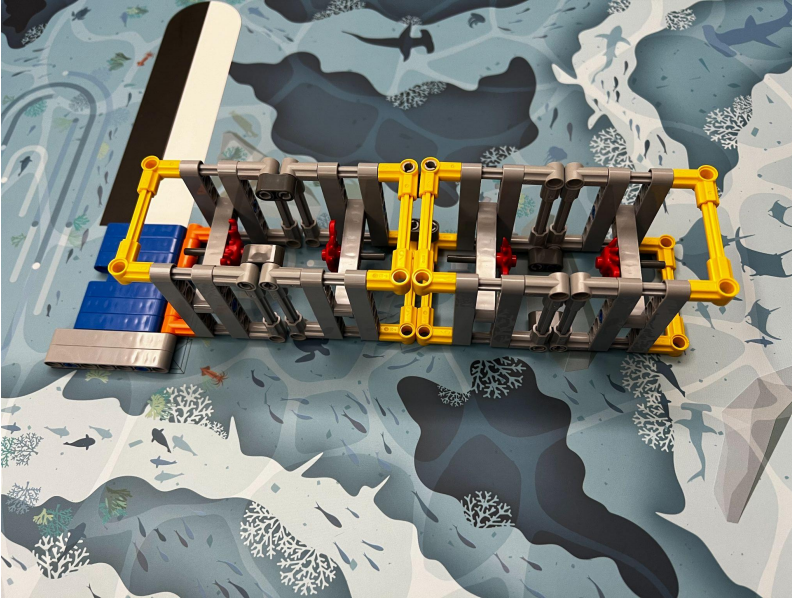
Yellow axles follow lines on mat

Notice that octopus' tentacles start by resting on top of grey axle.



Lift up front slightly (so as to not displace octopus tentacles) and slide treasure chest over rectangle on the mat.

M08: Artificial Habitat



Stack segments lie flat on mat in a line. Top of model has a indicator line on the mat.

M09 Unexpected Encounter

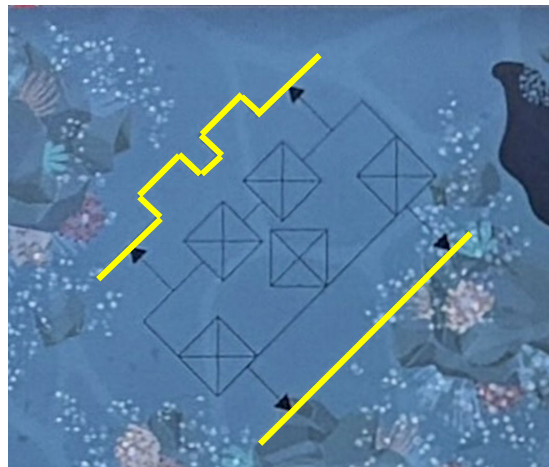
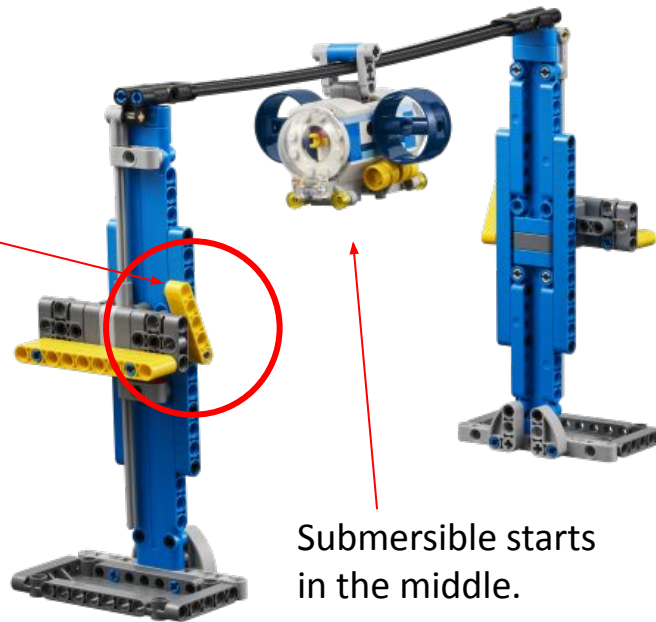


Hang unknown creature on axle

Pull yellow panel out as far as possible

M10 Send Over the Submersible

Ensure Yellow Latch is up at the start of the match

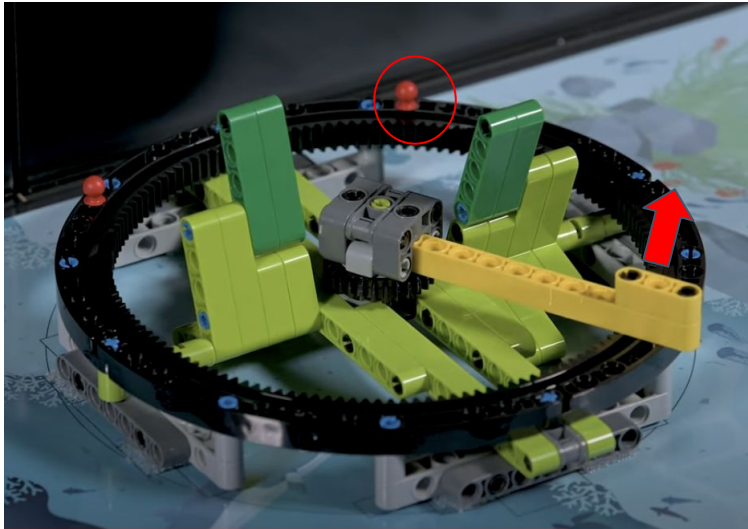


UPDATE 06 – MISSION 10 FIELD SETUP – Arrows on the mat indicate the minimum and maximum distances for setting up this model. Position the model support bases between the lines marked on the mat, moving each support base forward or backward along the arrows on the mat as required, such that:

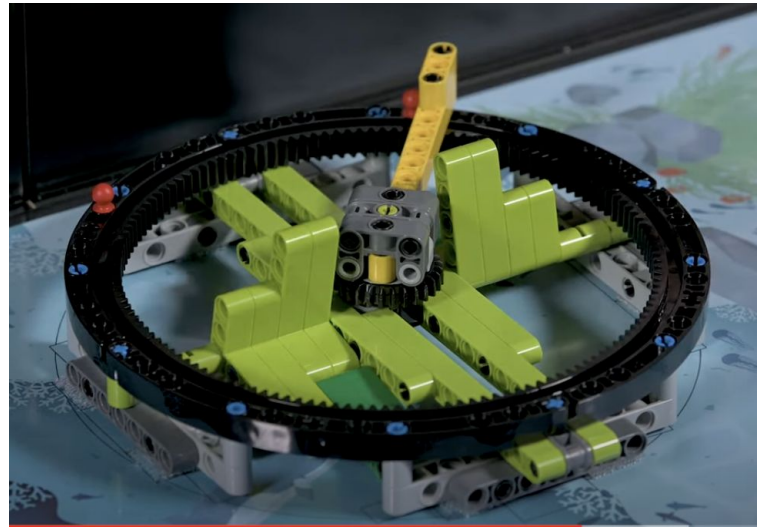
- The submersible support beam crosses the edge of each table wall over its center (marked by a small, red triangle on the border of the mat),
- the model is centered and symmetrical between the two fields,
- and the supports are vertical, perpendicular to the mat.

This flexibility in setup position supports the permitted variance in border wall thicknesses, which results in variable distances between tables in a tournament setup. Teams should be prepared for variability in the position of this model, within the specified range, at practice and competition tables. Competition organizers should make every effort to ensure consistency in the position of this model for all tables at a particular competition.

M11: Sonar Discovery

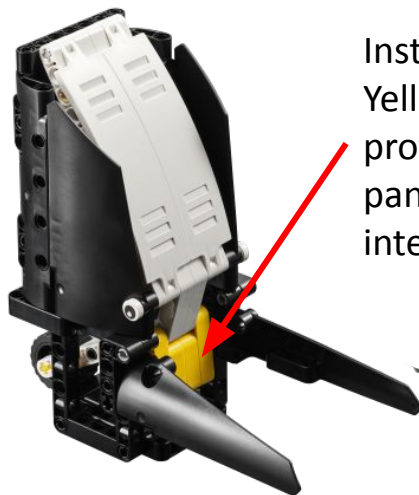


BEFORE: Rotate yellow lever **counter clockwise** until reaches first red stopper - 1 o'clock position. Lower both sets of dark green beams.



AFTER: Mission starts with only the light green beams showing. The images of the whales on the mat will not be visible.

M12 Feed the Whale



Install as shown.
Yellow beams and protruding black panels facing interior of mat.

Reset mission by tilting model forward so that the Krill can come out.

M12: Krill Placement



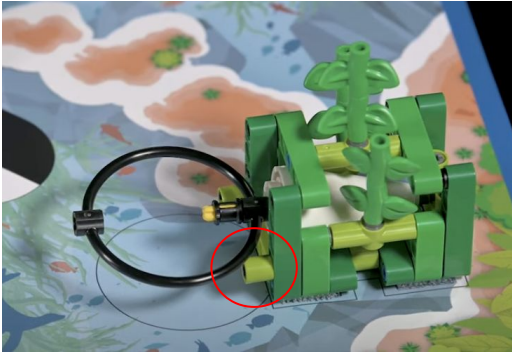
Note: The Krill may face any direction the referee chooses.

M13 Change Shipping Lanes



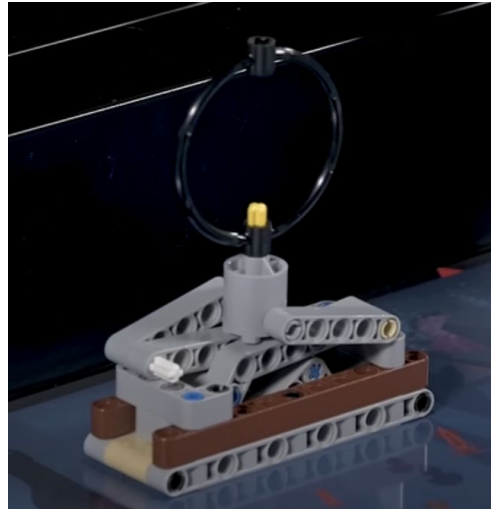
Starting position for the yellow axes are indicated on the mat by a line.

M14: Sample Collection



Use the circular marking on the mat to insert white Plankton sample into the Kelp Forest. Notice direction the Kelp Forest must be installed.

Note: Trident location was shown in M05

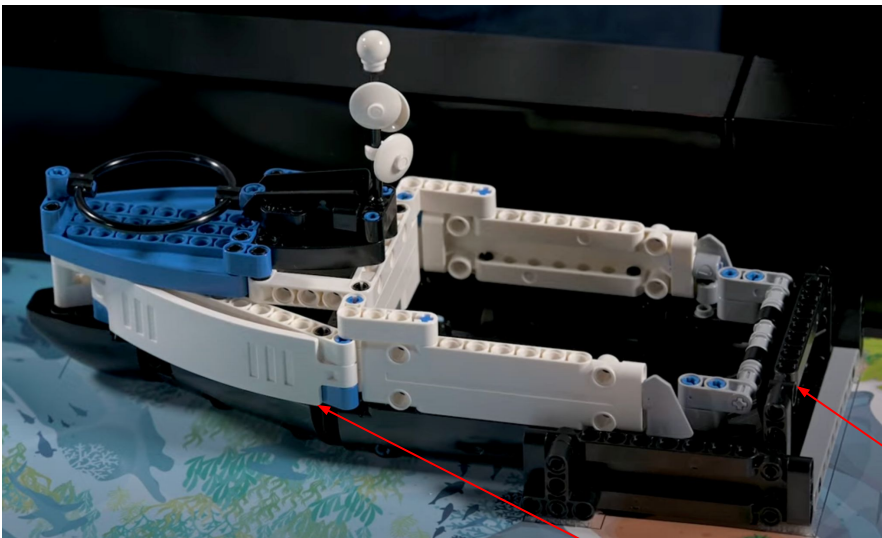


Fold Seabed Sample into holder as shown above. Notice white axle location and how it is folded. Ensure the handle is upright.



Straight line markings inside circle indicate direction of Water Sample's yellow axle.

M15 Research Vessel



The boat is placed into the shorter port segment near the Red Launch Area with the blue section of the boat facing out.

The Port section with yellow latch is placed on the markings outside Blue Launch Area. Use markings on the mat for alignment.

