

FIRST LEGO LEAGUE CHALLENGE

Mission Brainstorming Worksheets



TEAM NAME: TEAM NUMBER:

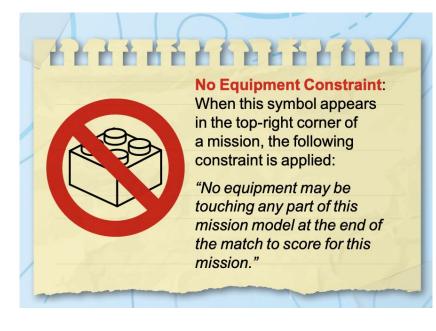
Updated: August 2024

Instructions

This document is *NOT* a substitute for reading the Robot Game Rulebook (RGR). The main purpose of this document is to brainstorm mechanisms and methods for solving missions. We assume that every student will start by reading all the rules.

Instructions for students:

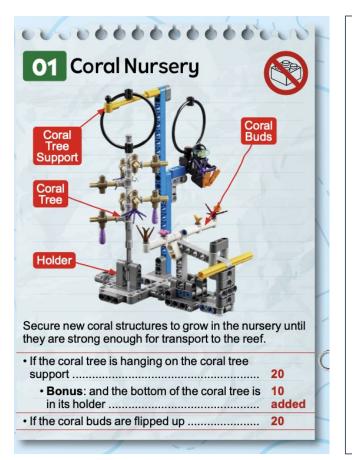
- 1. Read the rules carefully https://www.firstlegoleague.org/season#resources
- 2. Check for any updates https://www.firstlegoleague.org/season#resources
- 3. **Brainstorm ideas.** Think about what you might have to build or program to solve this mission. Do you need to push/pull/pick up/drop off? What type of mechanism would be needed? Does it need to reach high or low?

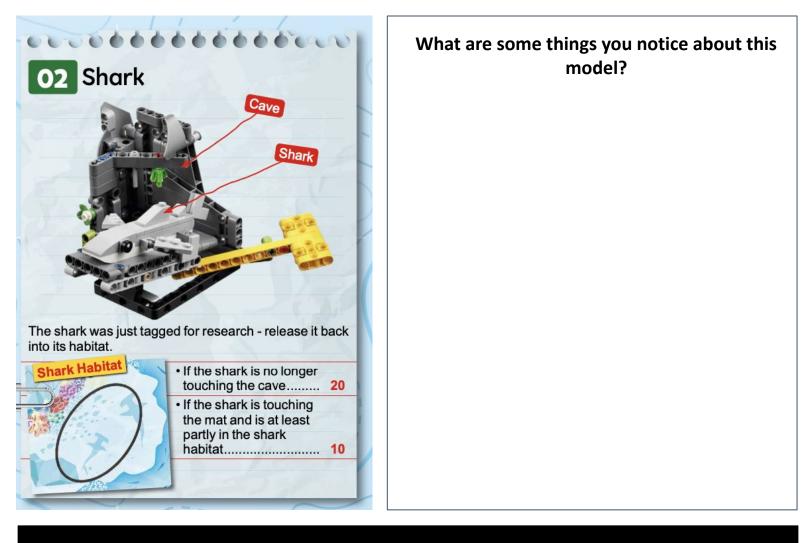


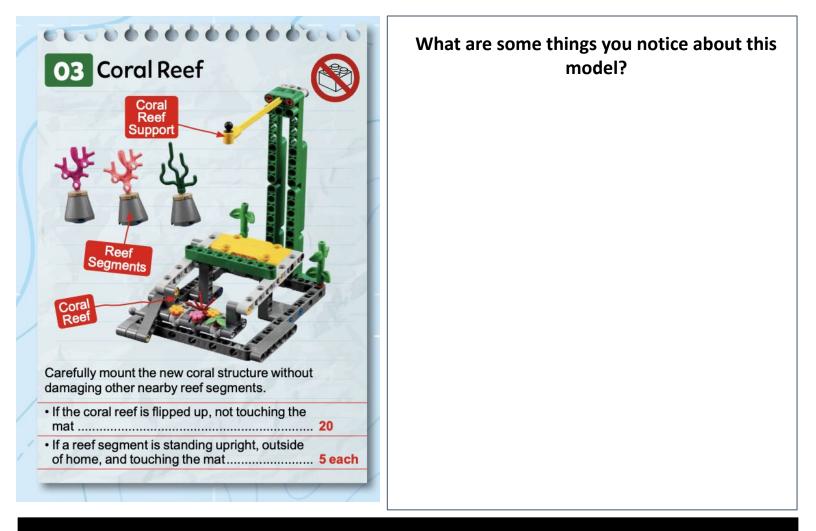
 Equipment: Everything teams bring to the match. (See Rules, Before the Match for more details.)

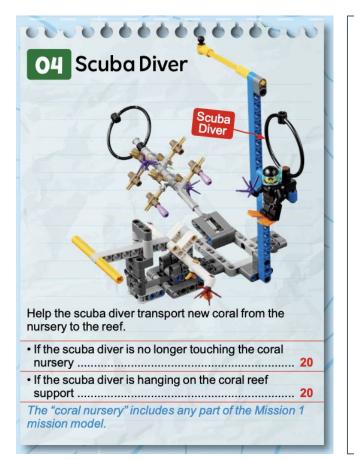


How can we make sure that everything fits in one launch area?





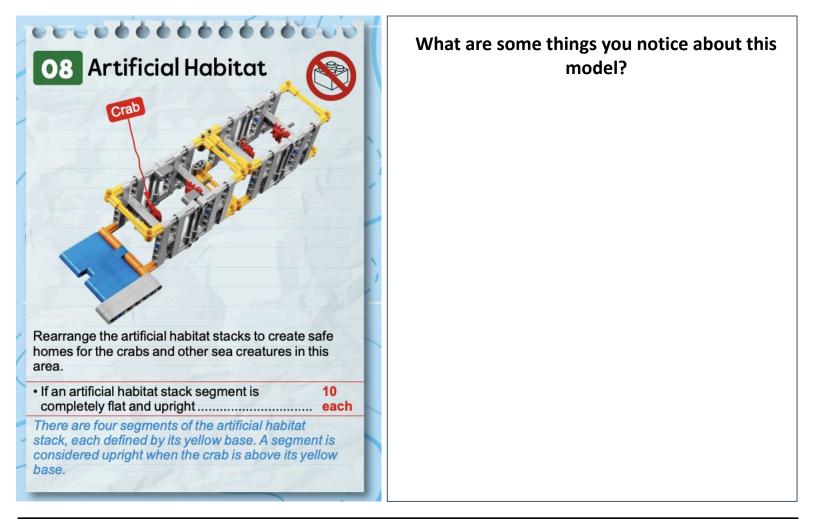


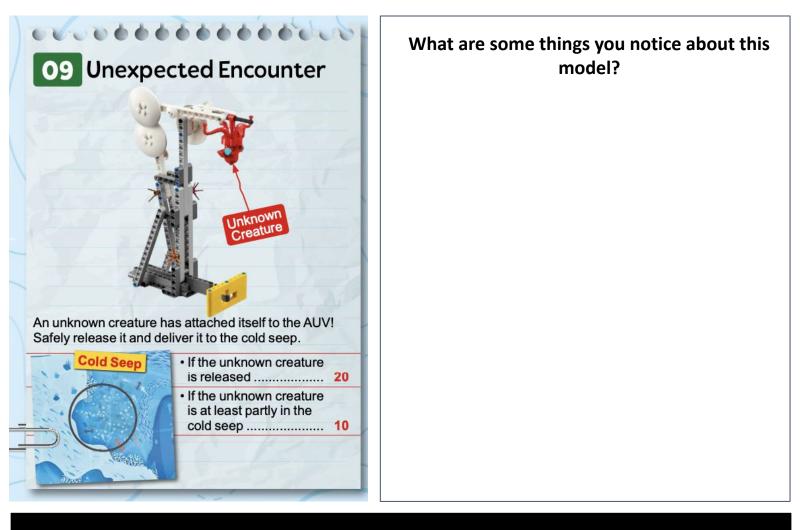






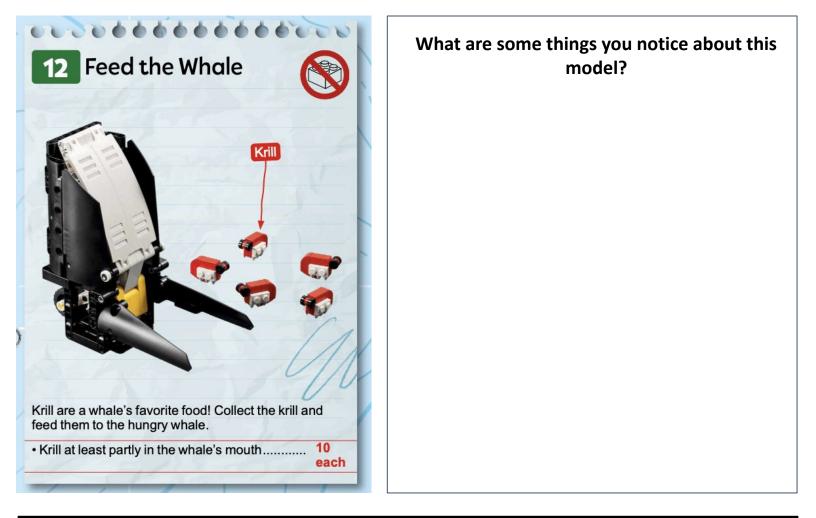










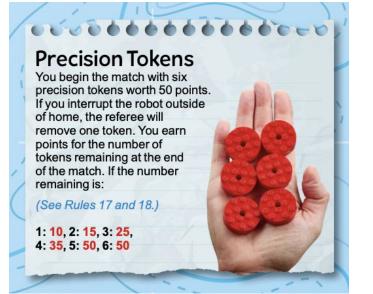




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1	14 Sample Collection	
		ibed iple
1	Water Sample	-
1	Kelp Forest	eabed
		ident
1	Plankton Sample	30
	Collect samples and artifacts from around the r they can be analyzed by scientists in the lab.	nat so
	If the water sample is completely outside the water sample area	5
-	If the seabed sample is no longer touching the seabed	10
	If the plankton sample is no longer touching the kelp forest	10
45.1	Water Sample Area If a piece of the trident is no longer	
1	touching the shipwreck	20
	pieces are no longer touching the	10
	shipwreck	added







How do we keep our free points?