

Ocean Emergency

Lab 2 Images

Suggested Role Responsibilities

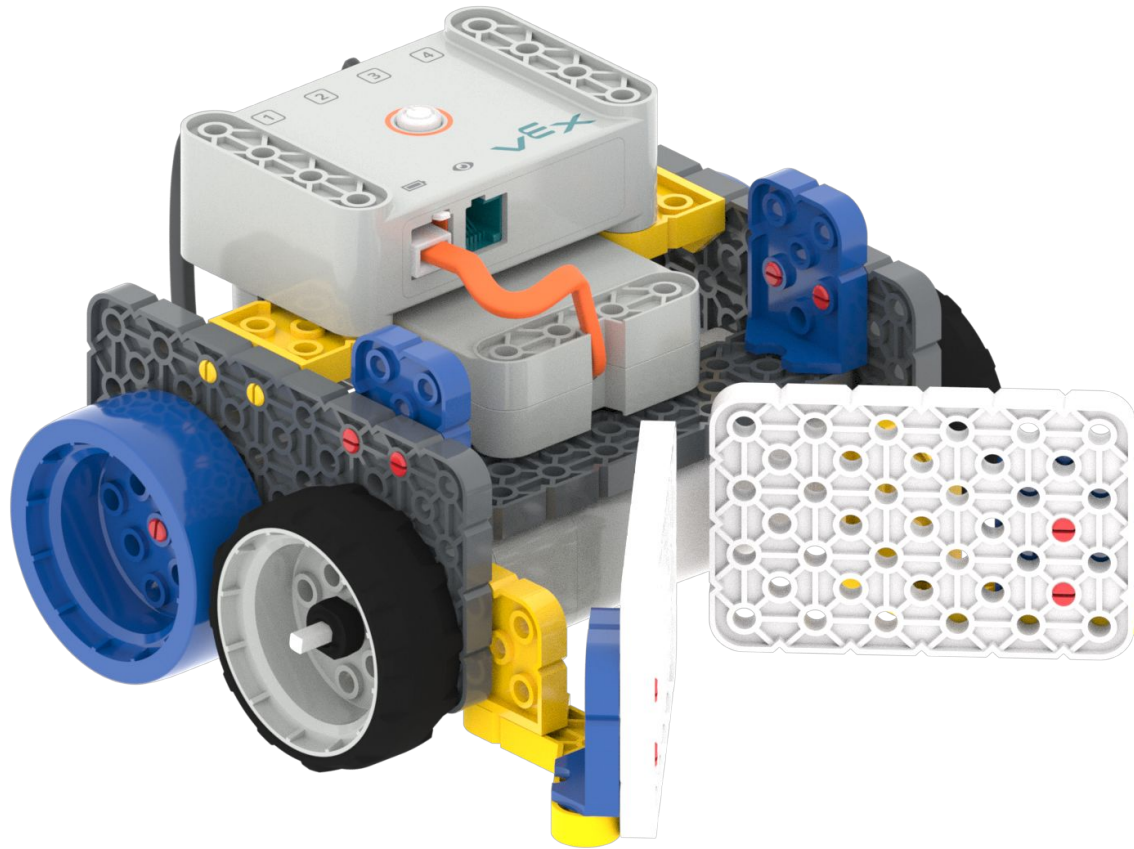
Builder

- Attach the extension to the Code Base
- Make comment blocks
- Connect the Brain and configure for Code Base
- Edit project in VEXcode GO

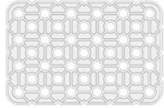
Journalist

- Gather materials to attach the extension
- Write pseudocode
- Build the 1st project in VEXcode GO
- Write data in Play Part 2

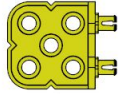
Example Code Base with Plow Extension



Make the Example Plow Extension



2x - White Large Plates



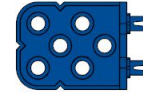
2x - Yellow Connectors



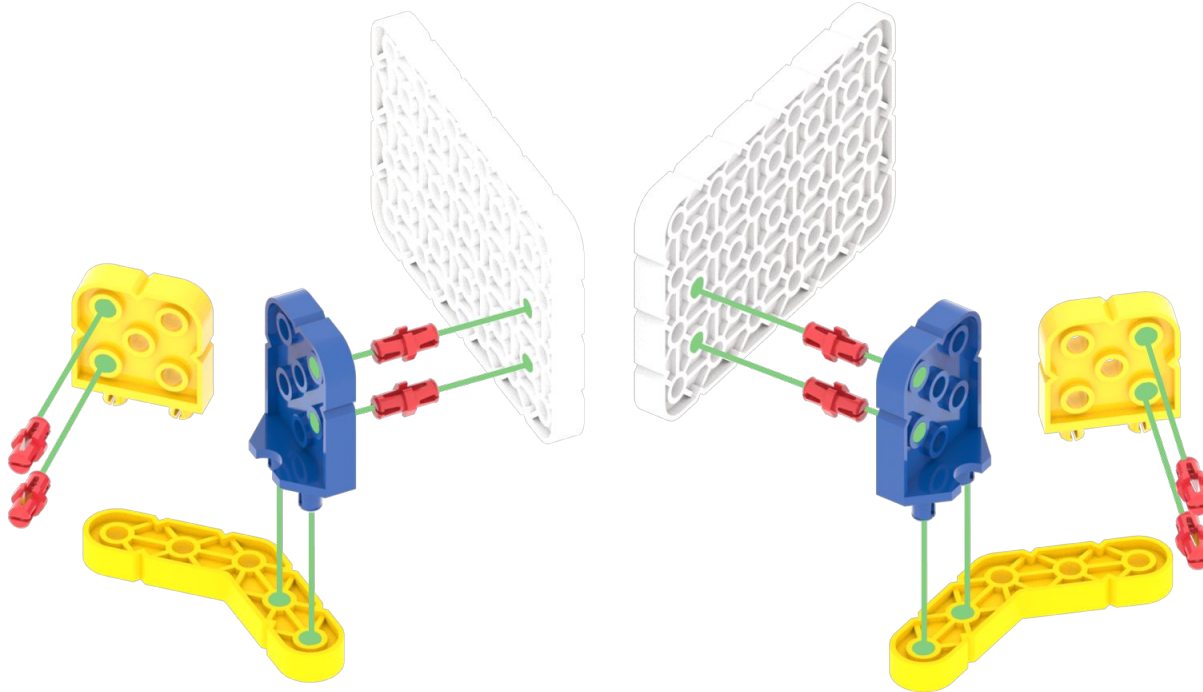
8x - Red Pins



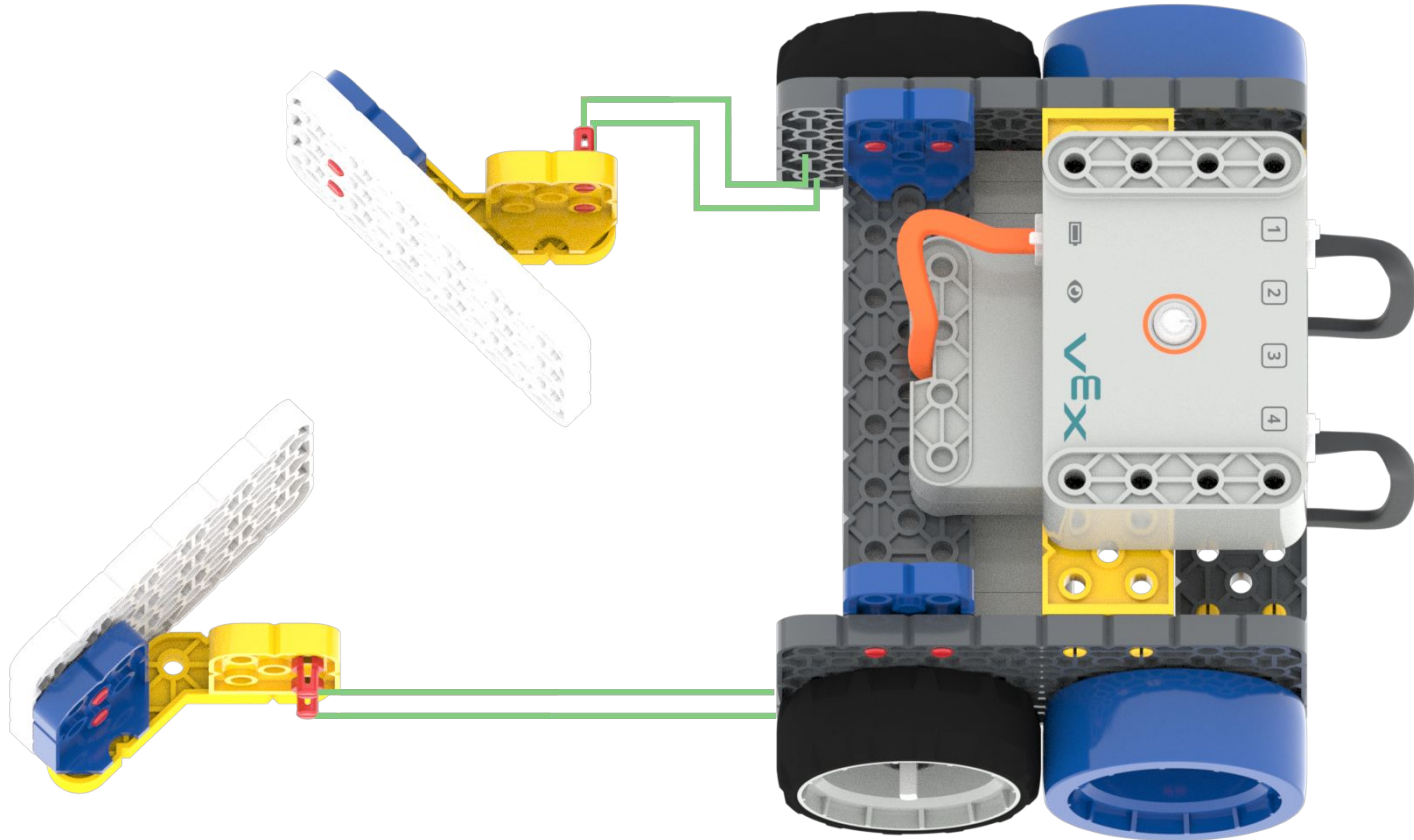
2x - Yellow Angle Beams



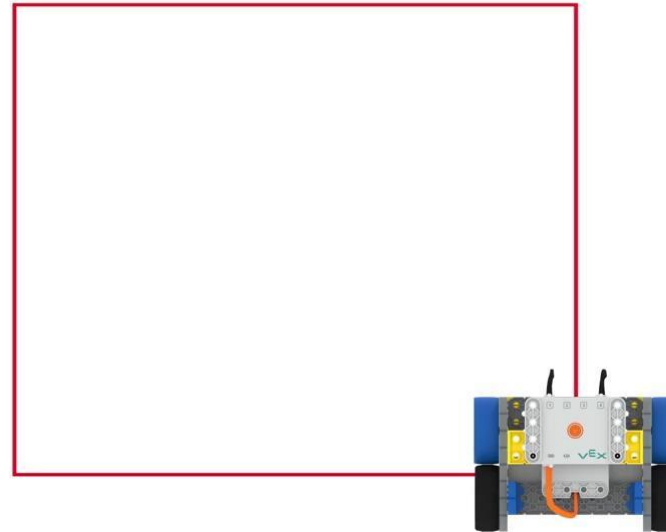
2x - Blue Connectors



Attach the Example Plow Extension



Code Base Moving in a Square



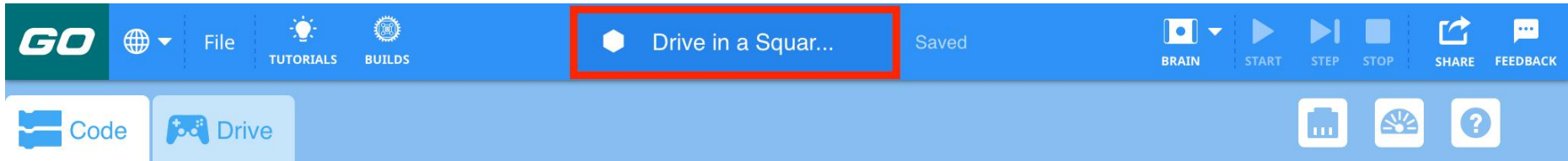
Pseudocode

1. Robot drives forward for 400 mm
2. Robot turns right for 90 degrees
3. Robot drives forward for 400 mm
4. Robot turns right for 90 degrees
5. Robot drives forward for 400 mm
6. Robot turns right for 90 degrees
7. Robot drives forward for 400 mm
8. Robot turns right for 90 degrees

Writing Pseudocode



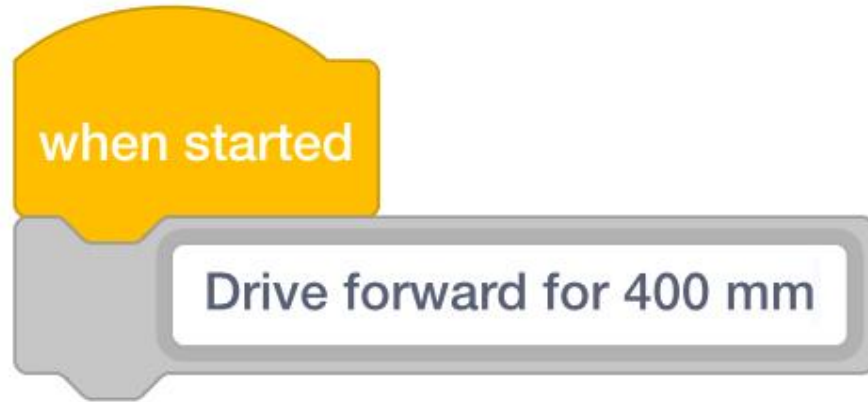
Name Project



Add [Comment] block to {When started}

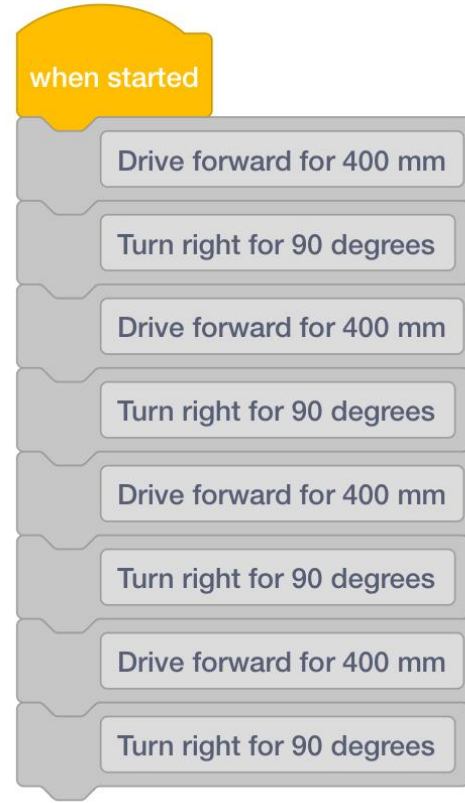


Add Pseudocode to [Comment] Block

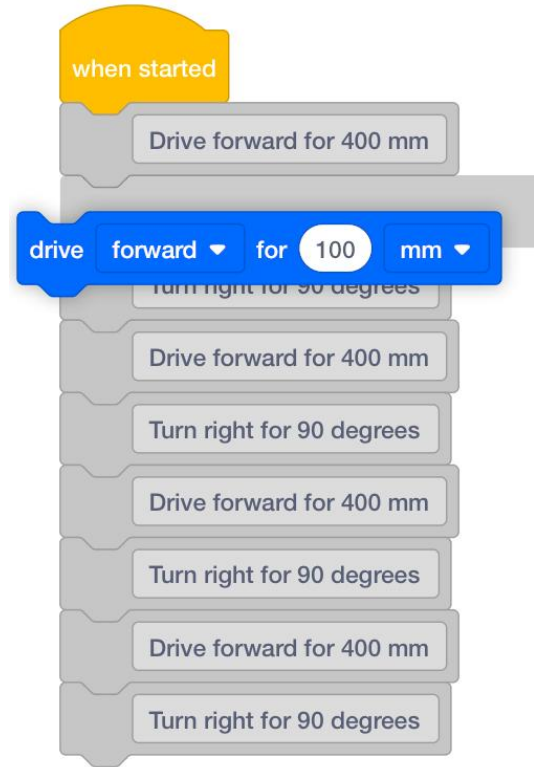


Pseudocode to Comment Blocks

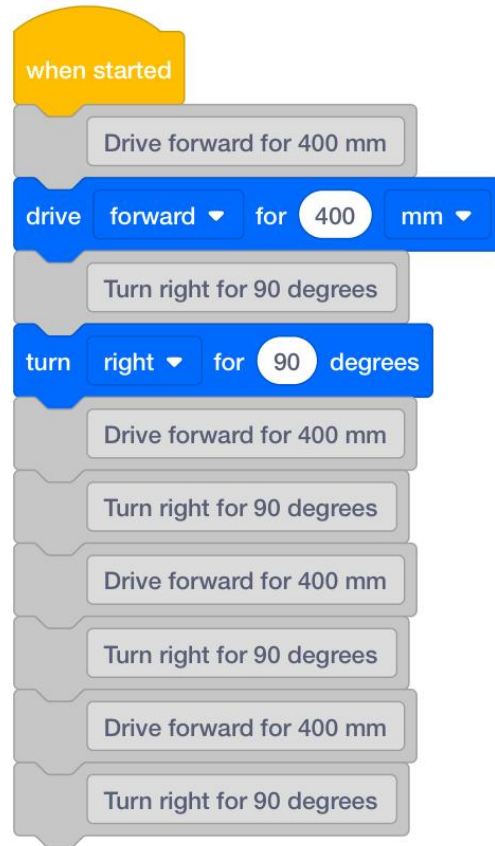
1. Robot drives forward for 400 mm
2. Robot turns right for 90 degrees
3. Robot drives forward for 400 mm
4. Robot turns right for 90 degrees
5. Robot drives forward for 400 mm
6. Robot turns right for 90 degrees
7. Robot drives forward for 400 mm
8. Robot turns right for 90 degrees



Add [Drive for] under first [Comment] Block



Add [Turn for] block



Drive in a Square Project



Iterate on a Project

