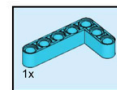




Kitty Cruise design by Bits4Bots®

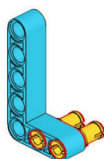
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1



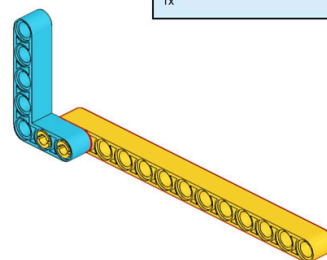
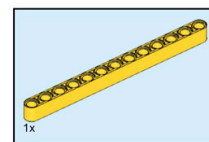
Start with the L shaped technical block.  
Technic, Liftarm, Modified Bent Thick  
L-Shape 3 x 5.

2



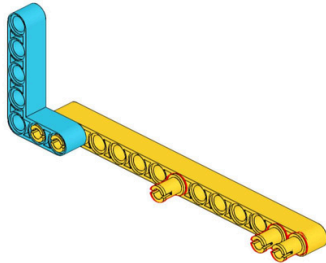
Insert 2x pin connectors.

3



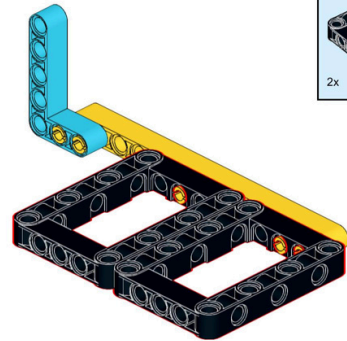
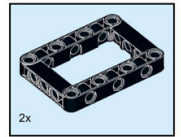
Attach the Liftarm Thick 1 x 13.

4



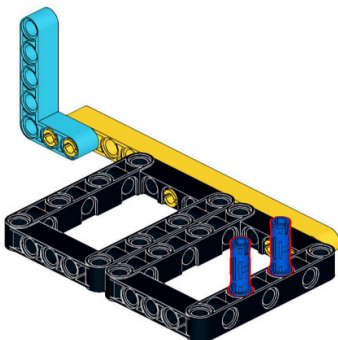
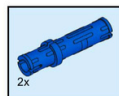
Insert 3x pin connectors into the holes.

5



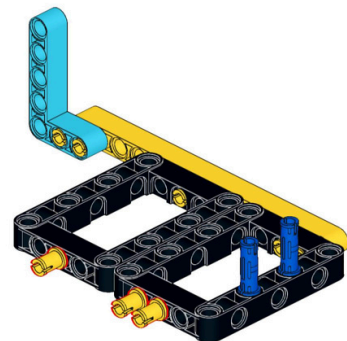
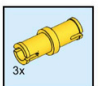
Attach 2x Liftarm, Modified Frame Thick  
5 x 7 Open Center.

6



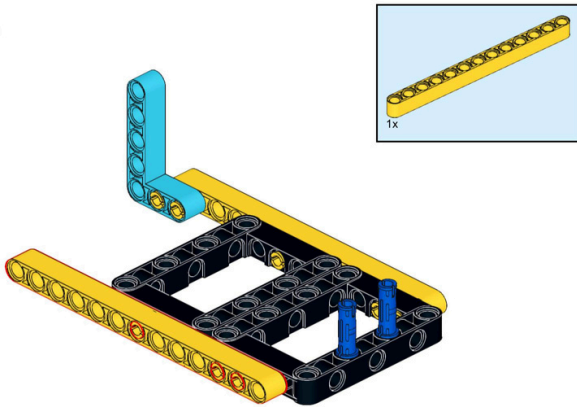
Insert 2x Pin 3L with Friction Ridges.

7



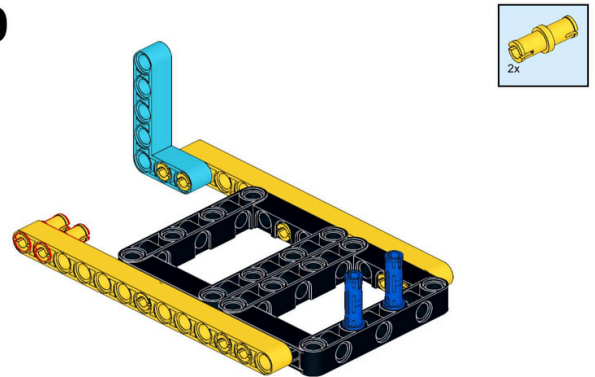
Insert 3x pins without Friction Ridges.

8



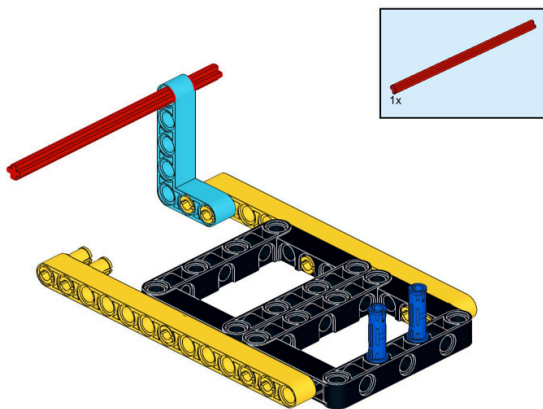
Attach the Liftarm Thick 1 x 13.

9



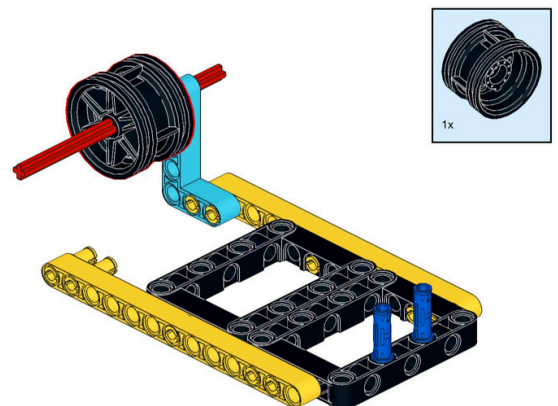
Insert 2x pins without Friction Ridges.

10



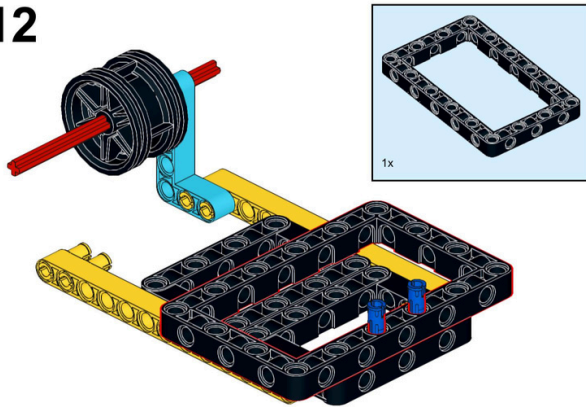
Insert the 10L axle.

11



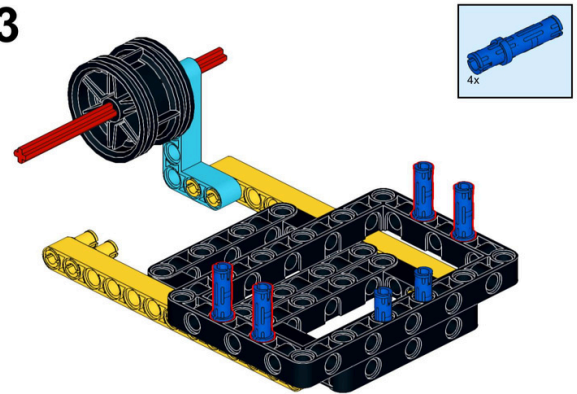
Mount the wheel to the axle. \*The tire and spacers can also be added at this step (see step 14).

12



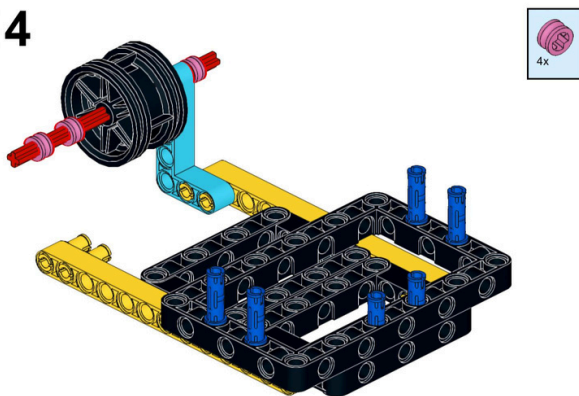
Add the Technic, Liftarm, Frame Thick 7 x 11 Open Center.

13



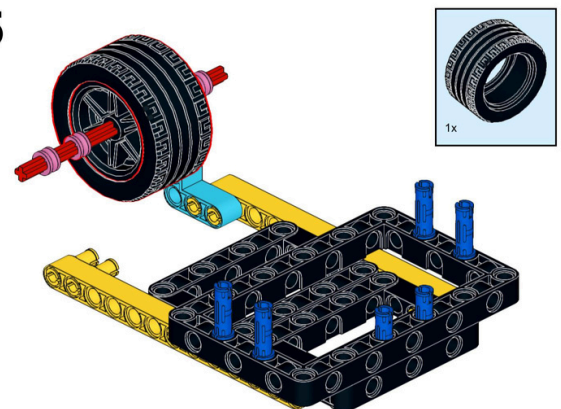
Join the frames using 4x pin 3L with Friction Ridges.

14



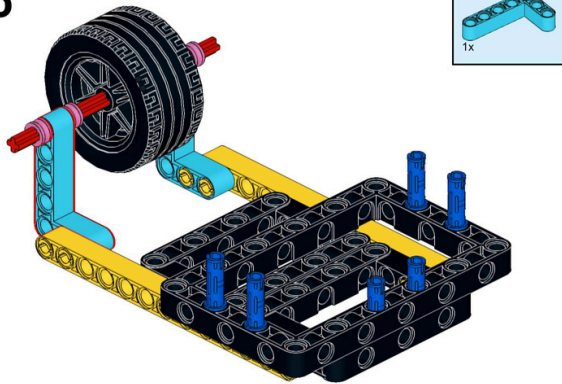
Add 4x spacers to secure the wheel position.

15



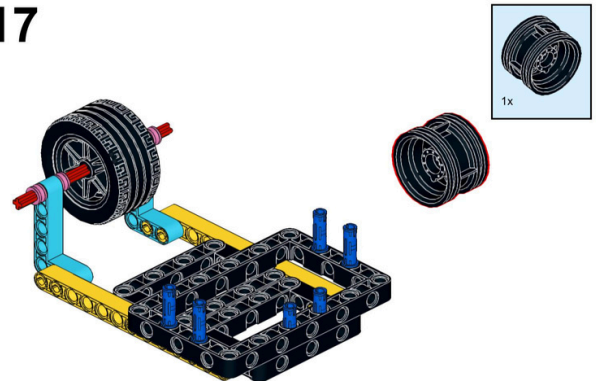
Connect the tire to the wheel..

16



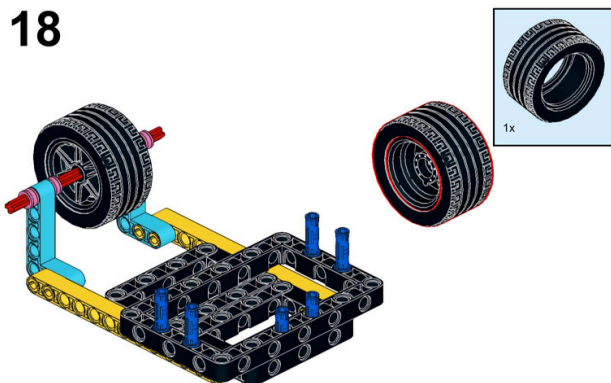
Add the remaining L-shaped block to the axle. A spacer will be placed to the left and right of this block

17



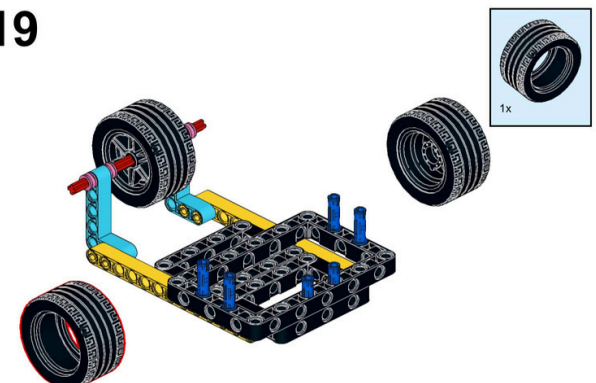
Two servo wheels will be attached to the open frame.

18

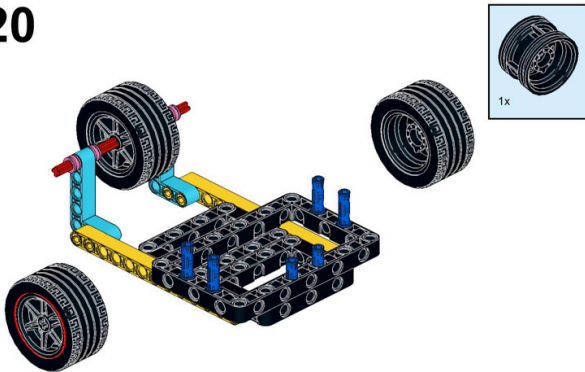


Connect the wheel and tire.

19

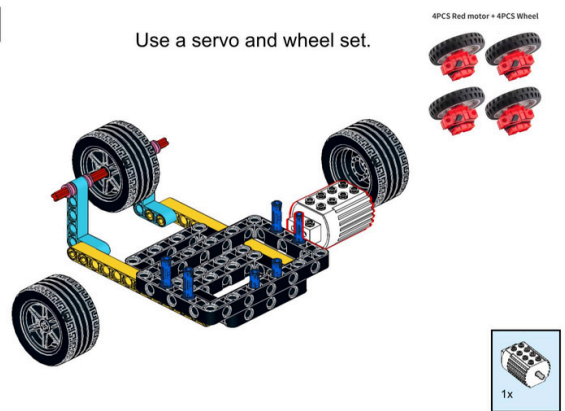


20

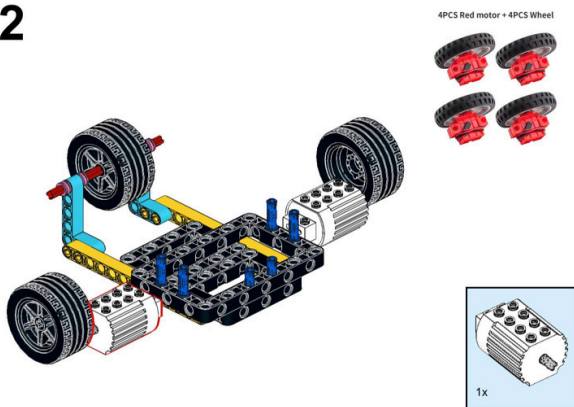


21

Use a servo and wheel set.



22



Attach the micro:bit expansion board to the top of the chassis using connectors.  
Connect motors to digital pins (GPIO) and program your micro:bit. \*MakeCode is a great way to start learning.

Optional: Connect multiple sensors to create a smart Kitty Cruise!



Kitty Cruise design by Bits4Bots®