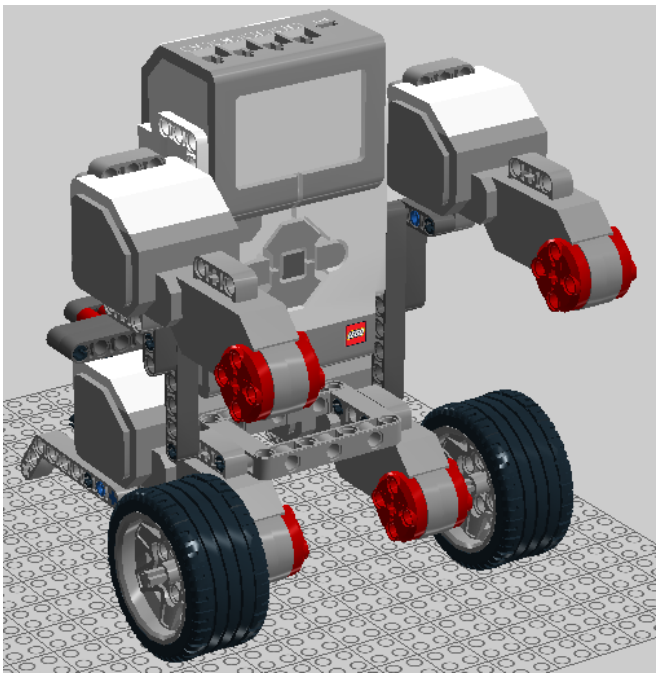
Tommabot



On Stage configuration (With arms)

Tommabot is a versatile EV3 robot that has a wide range of applications. It can be used as a start point for RoboCup Junior and World Robot Olympiad competitions. Tommabot can be easily modified to suit any of the RoboCup Junior Leagues. In 2019 Tommabot took out Victorian State Titles in Riley Rover and Simple Simon Soccer.

It can also be used in in the classroom for many of the challenges included in the Autommoton Curriculum.

Features

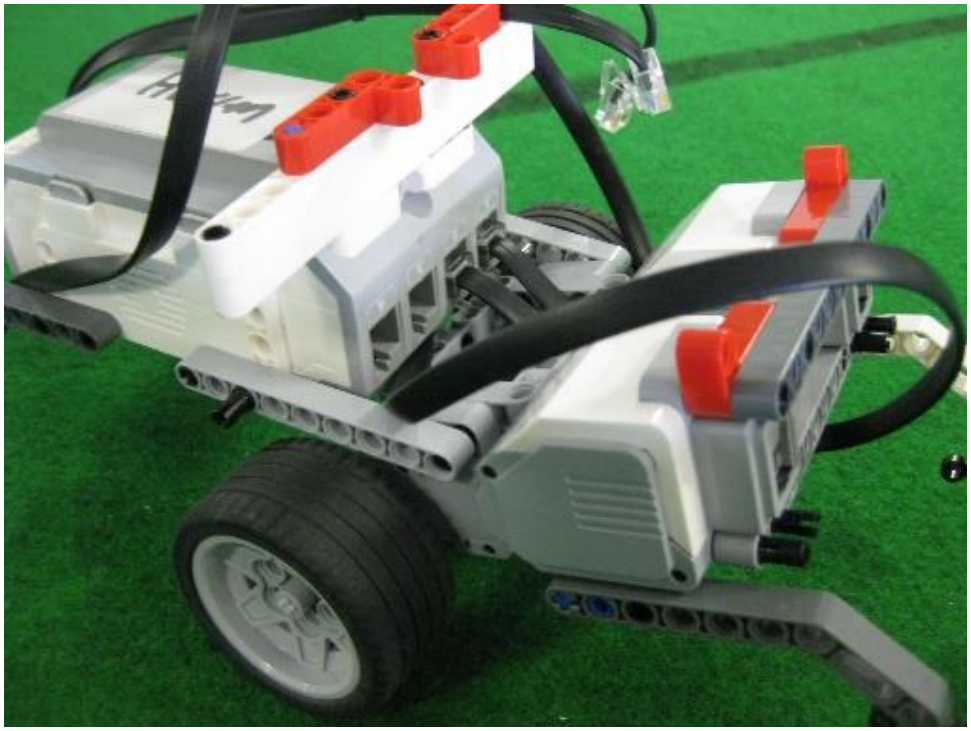
- Multiple points to add on sensors for all robot challenges.
- Despite it's appearance, it does have a low centre of gravity if you leave the "arms" off.
- Can easily be geared up for speed, smaller wheels and a low centre of gravity.

- Two motor mounts that can be used to install a :
  -Right and left foot “kicker” for a Standard League soccer robot,

  -Lifting mechanism for RoboCup Junior Rescue

  -Independent “arms for RoboCup Junior Dance robots.

- Simple removal of the top 11M beam on the rear of the robot allows the EV3 to tilt forward giving easy access to cable points under the EV3.(see image)



- Multiple stable attachment points for extra attachments such as “bumper bars”, “head”, power joint or stabilizers.
- Easy one step battery removal.
- Fits well within building size limits of RoboCup Junior and WRO competitions.

  **LEGO, Mindstorms and EV3 are Registered Trademarks of the LEGO Corporation

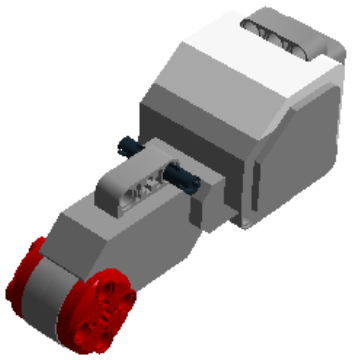
Instructions for Tommabot

Many apologies over the lack of logic in the construction step sequence. This is how MLCad compiled it and it cannot be changed. However it is all there!

Step 1 of 23

1 x

1 x

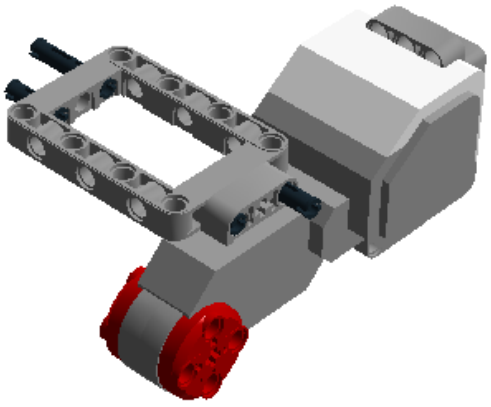


Step 2 of 23

2 x

1 x

1 x

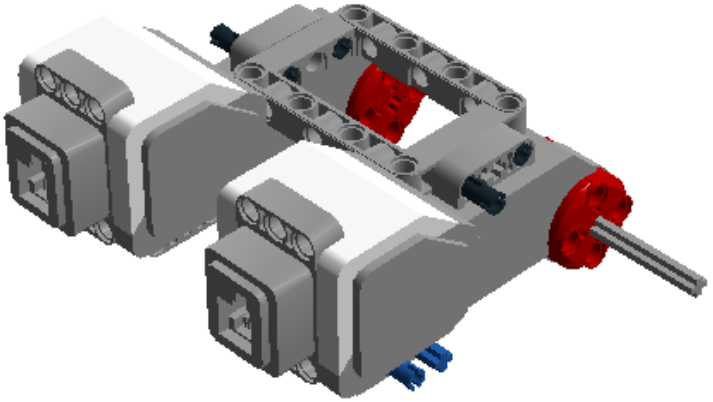


Step 3 of 23

1 x

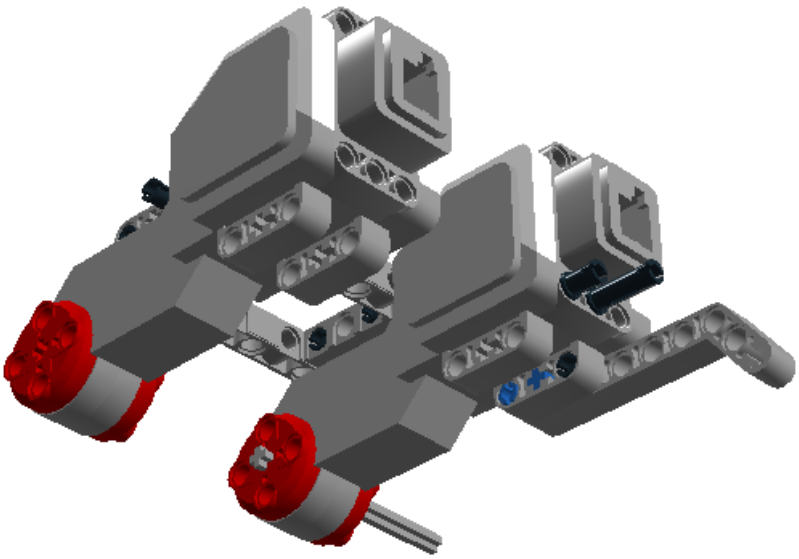
2 x

1 x



2 x

1 x

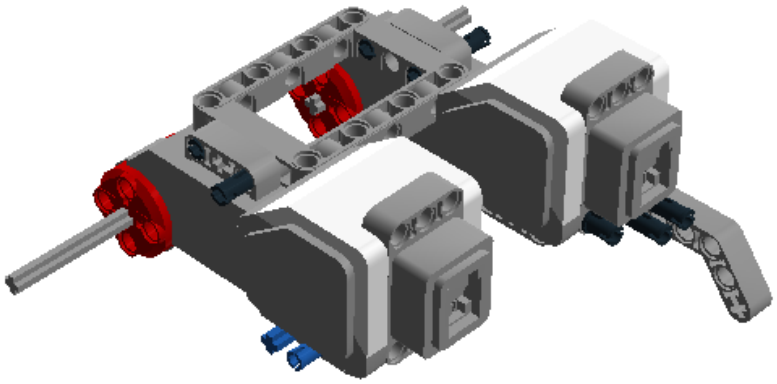


Step 5 of 23

2 x

1 x

1 x

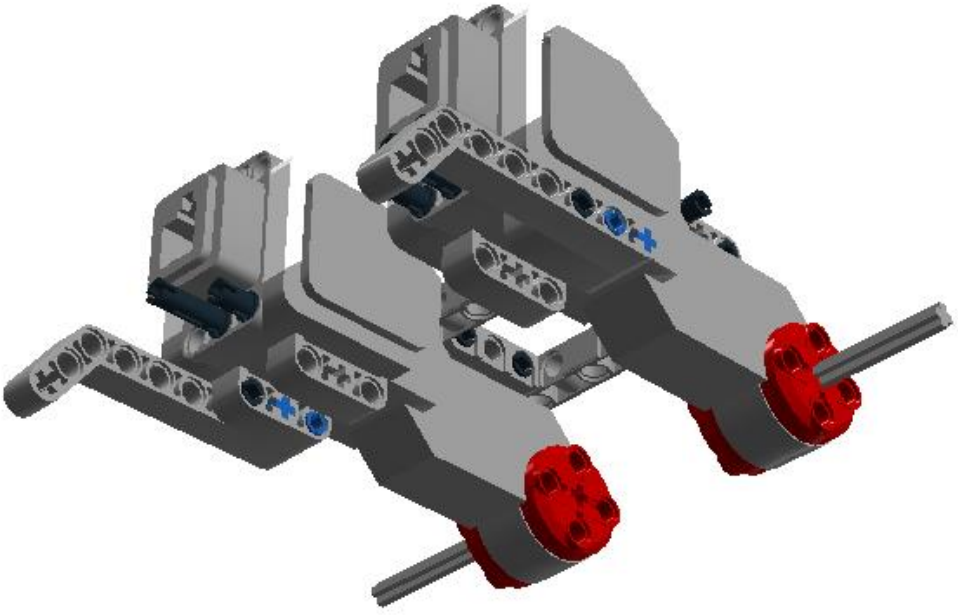


Step 6 of 23

1 x

2 x

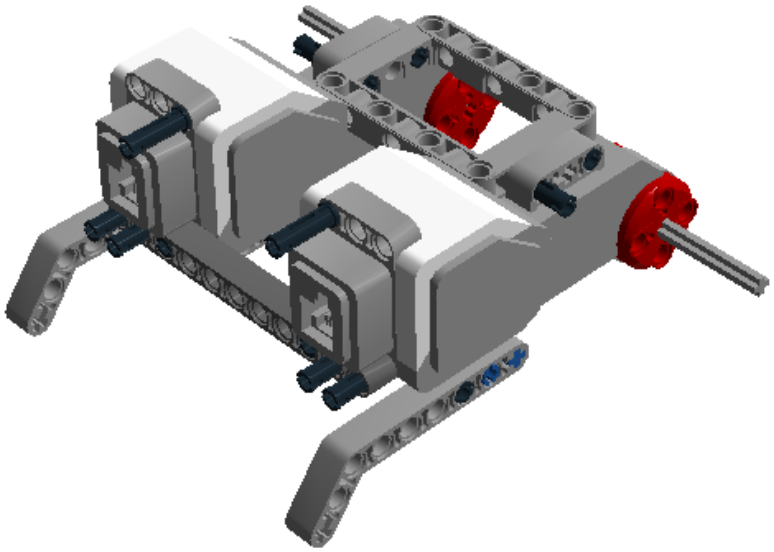
1 x



Step 7 of 23

1 x

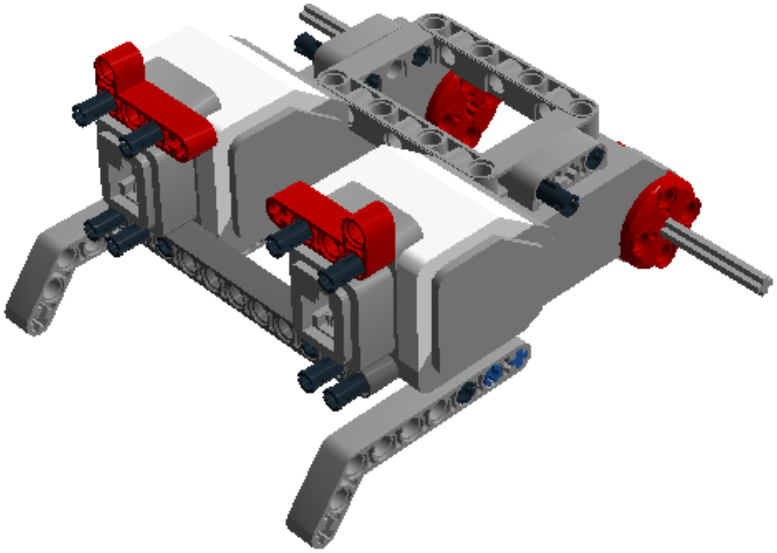
3 x



Step 8 of 23

2 x

2 x

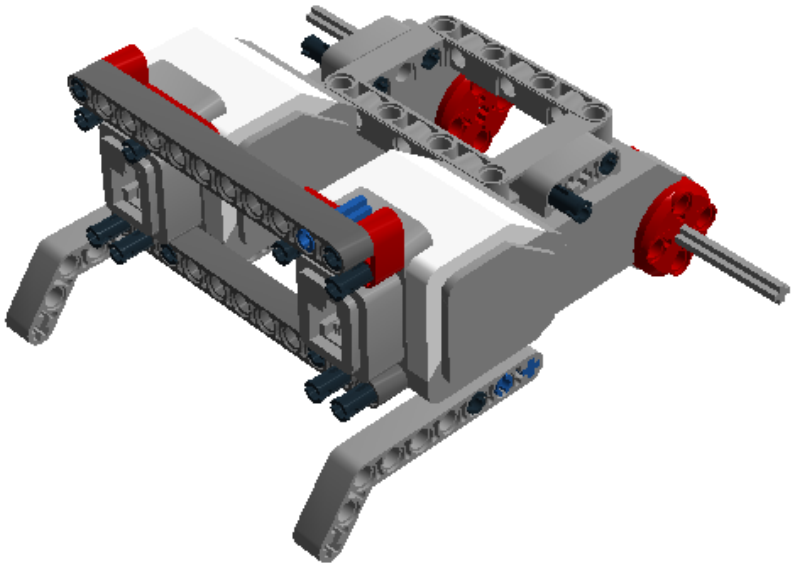


Step 9 of 23

1 x

2 x

1 x

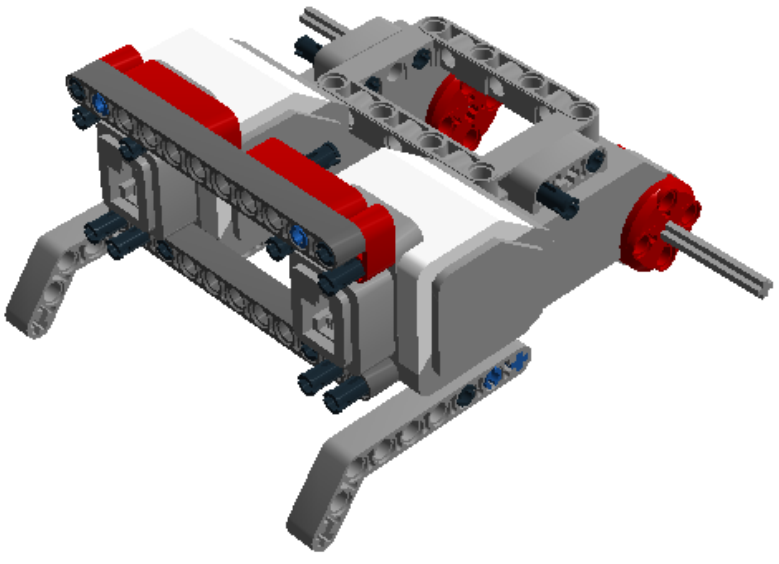


Step 10 of 23

2 x

1 x

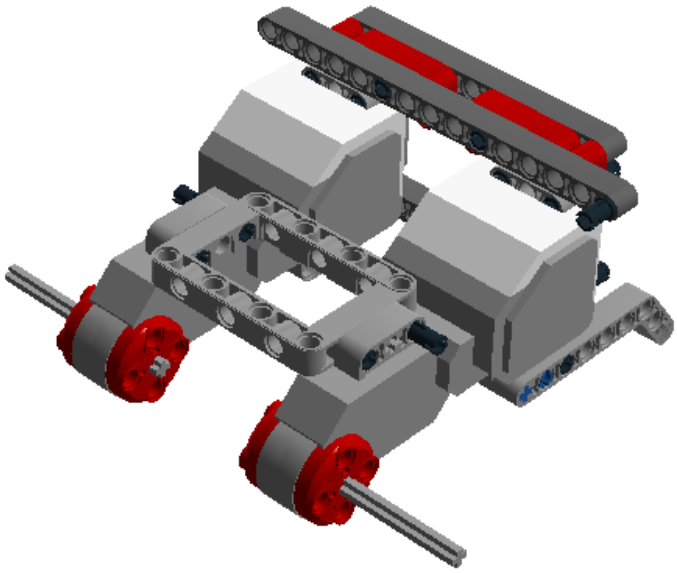
1 x



Step 11 of 23

1 x

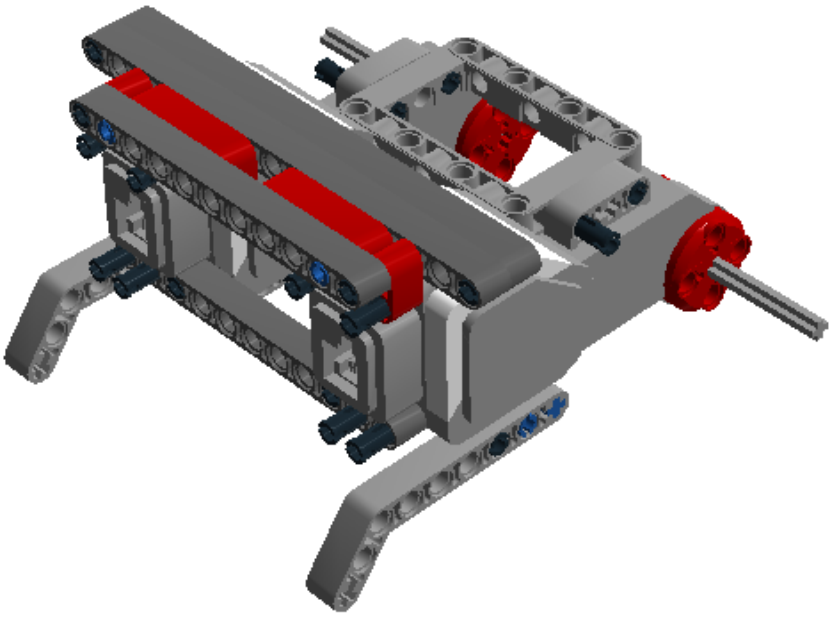
2 x



Step 12 of 23

1 x

1 x

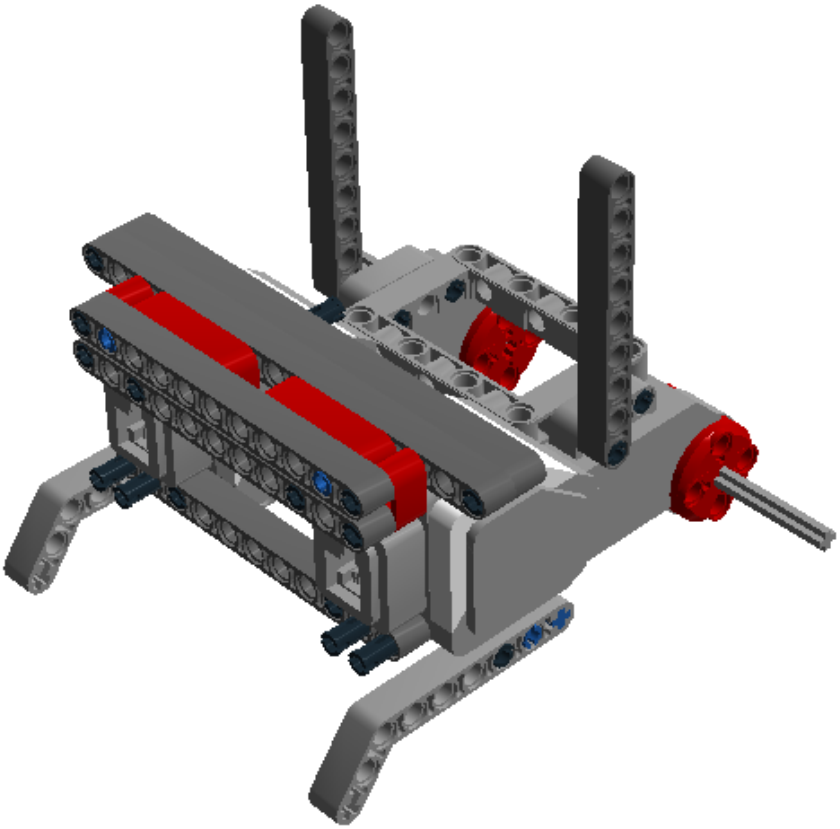


Step 13 of 23

2 x

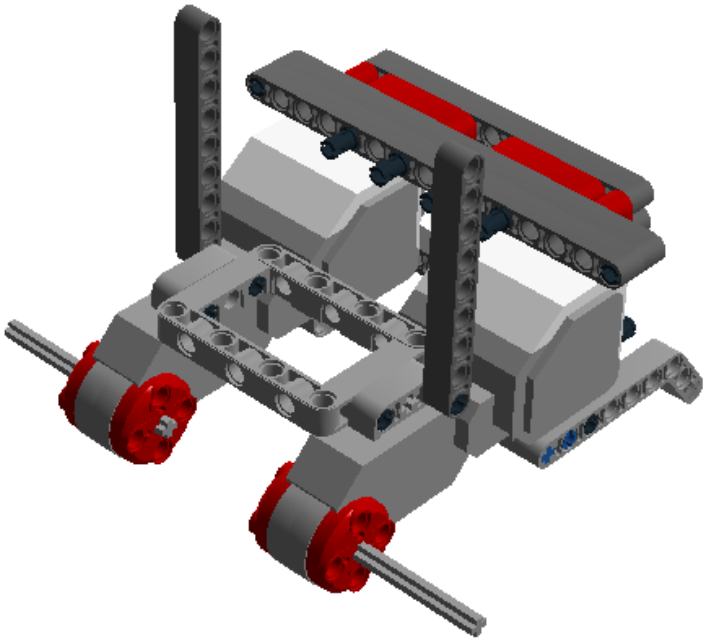
1 x

1 x



Step 14 of 23

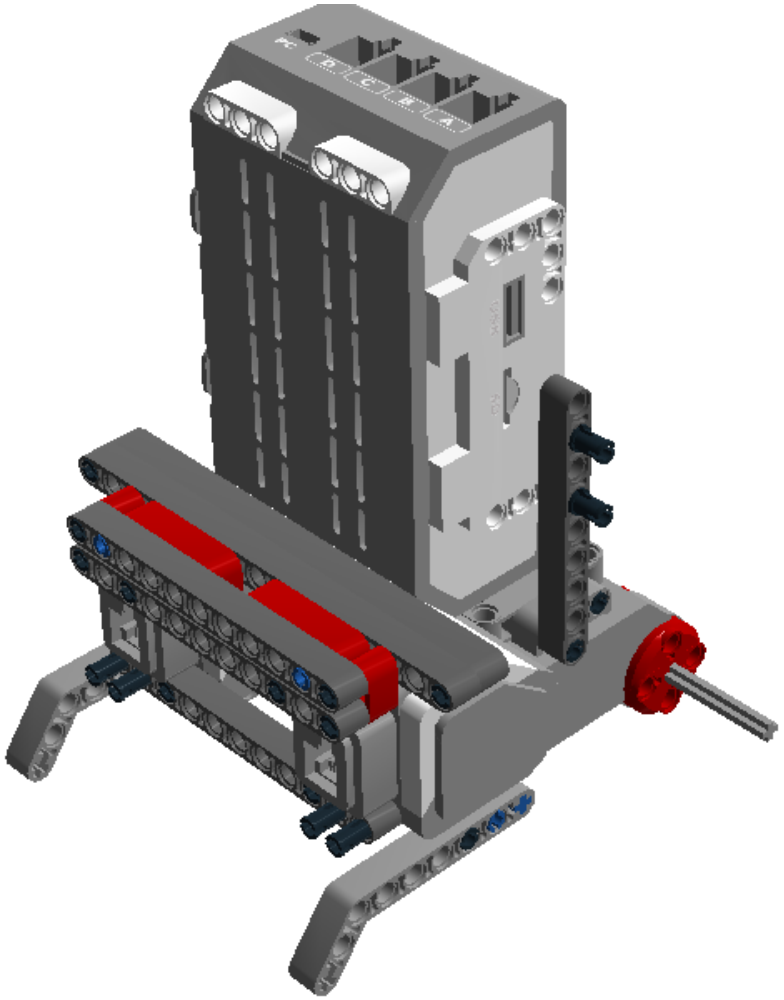
3 x



Step 15 of 23

1 x

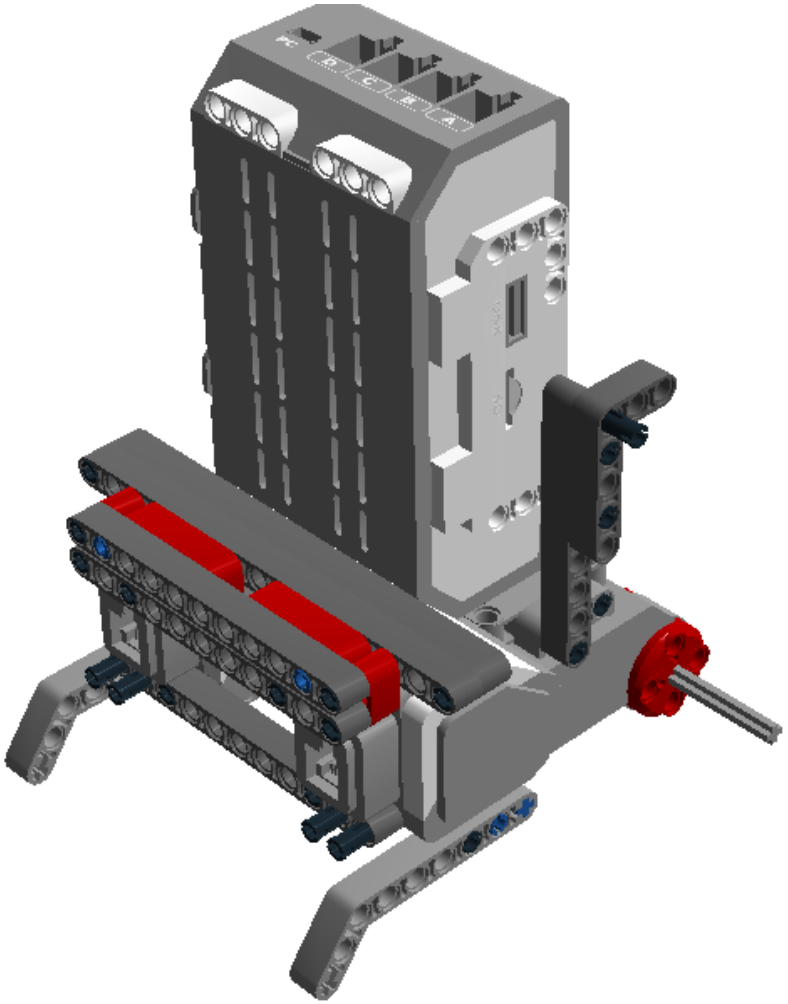
2 x



Step 16 of 23

1 x

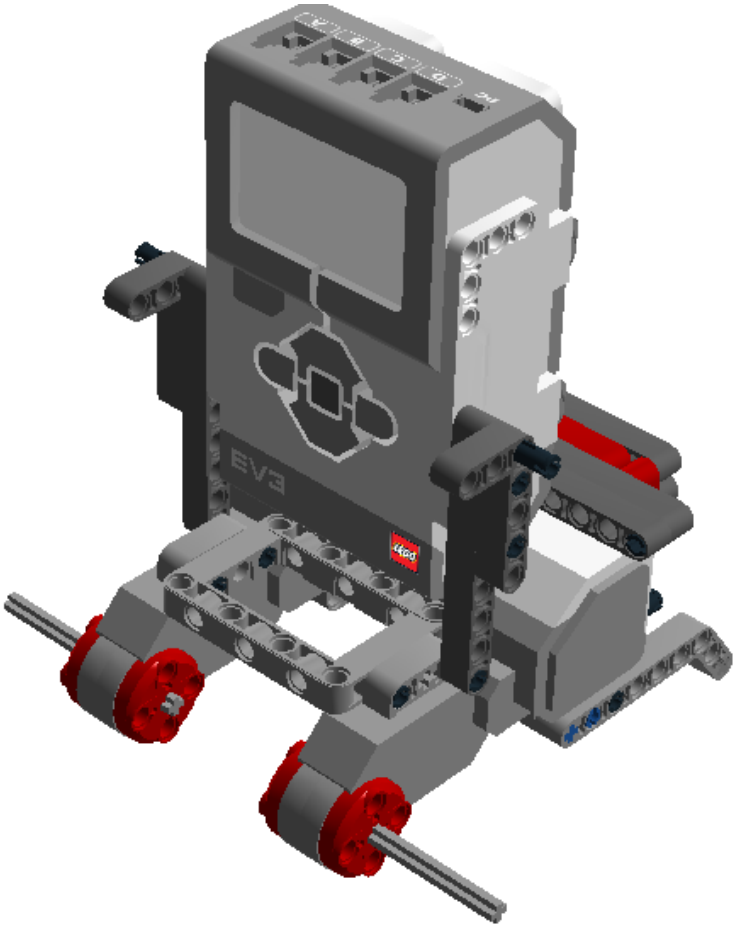
1 x



Step 17 of 23

1 x

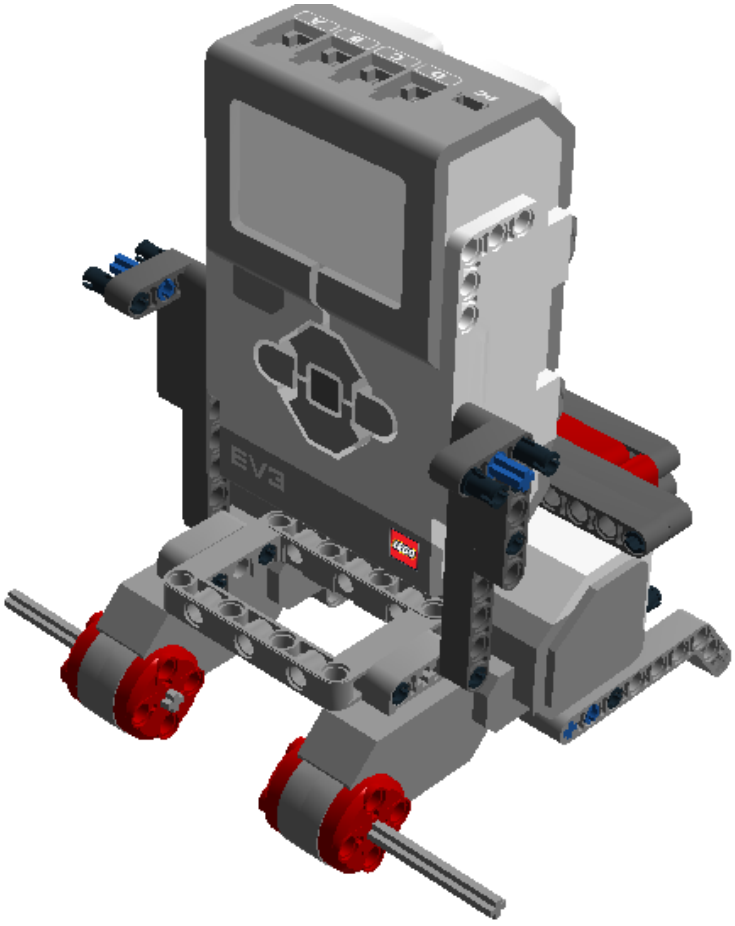
3 x



Step 18 of 23

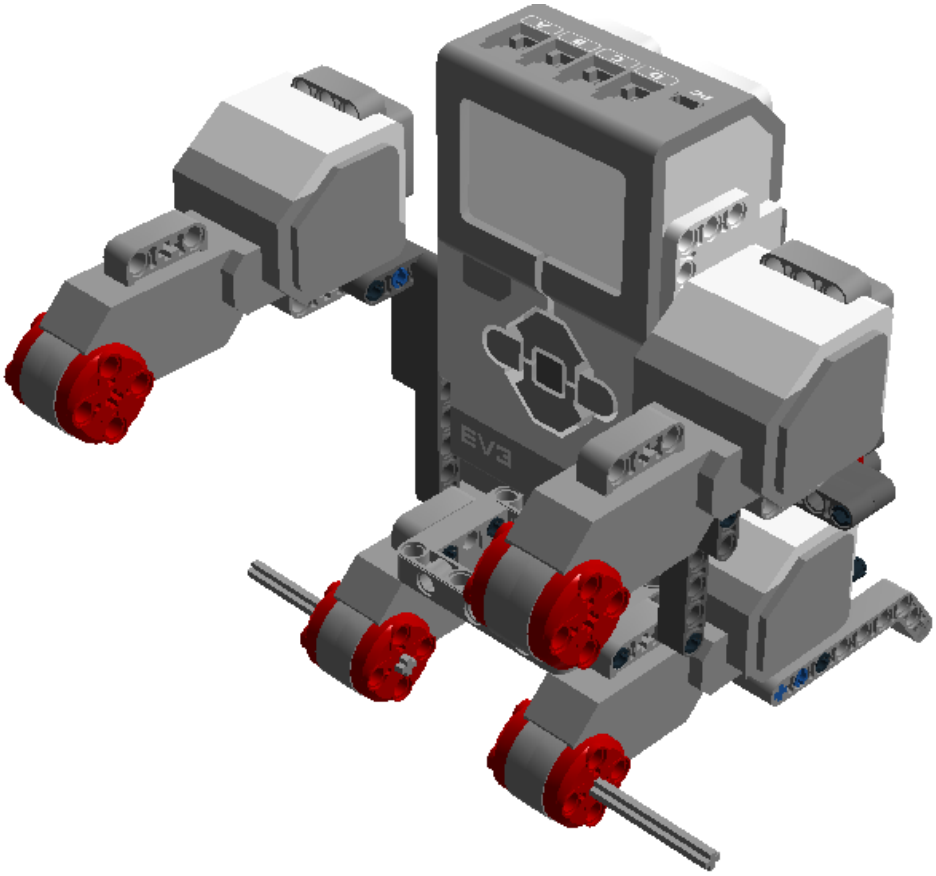
2 x

2 x



Step 19 of 23

2 x

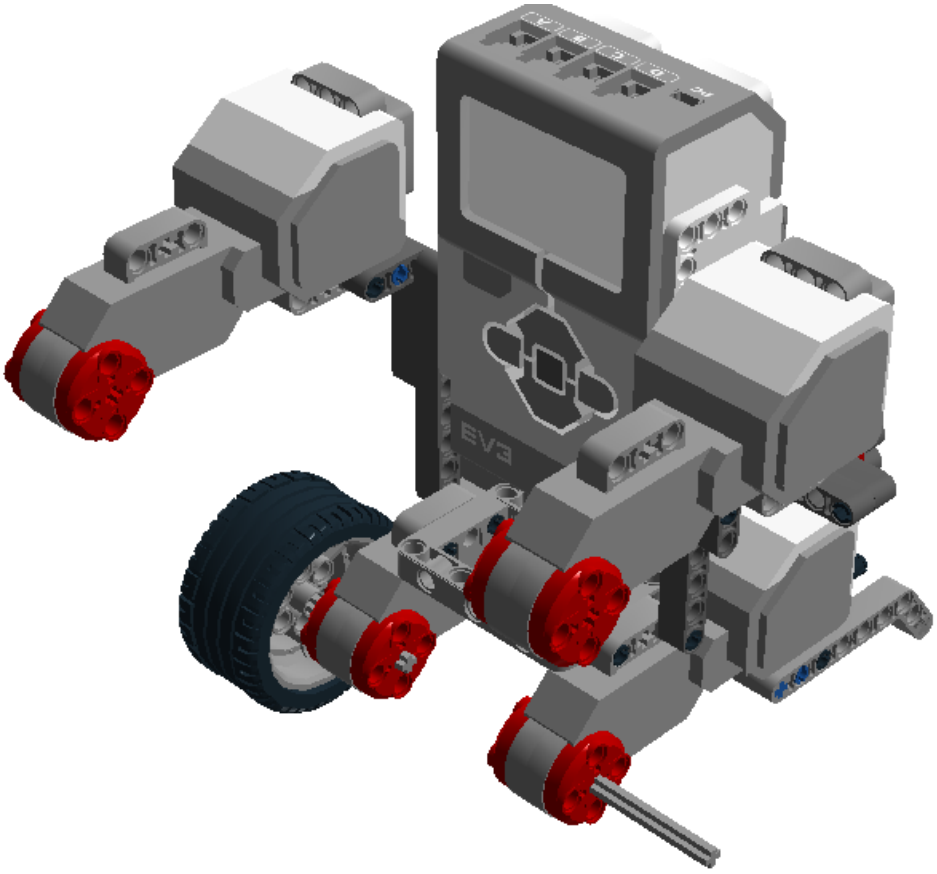


Step 20 of 23

1 x

1 x

Step 21 of 23



Step 22 of 23

1 x

1 x

Step 23 of 23