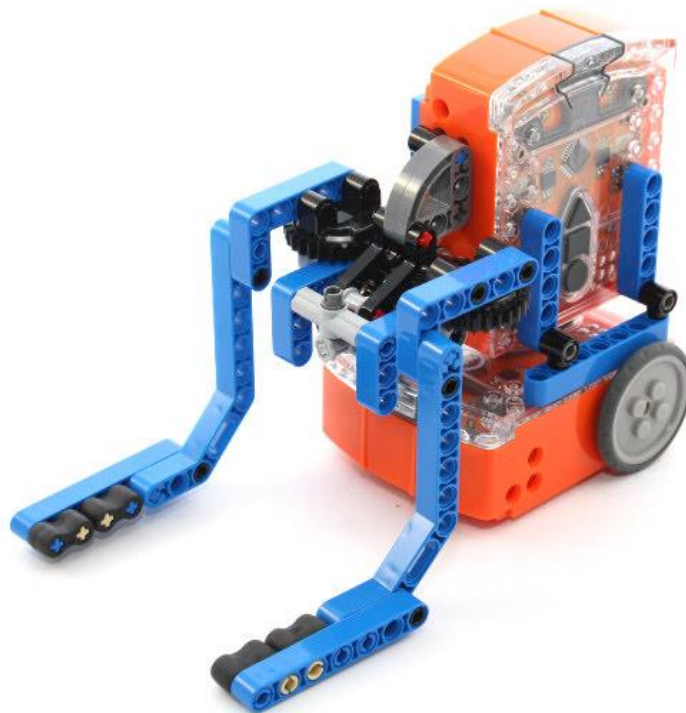


EdLift

EdEngineering – Pack 1

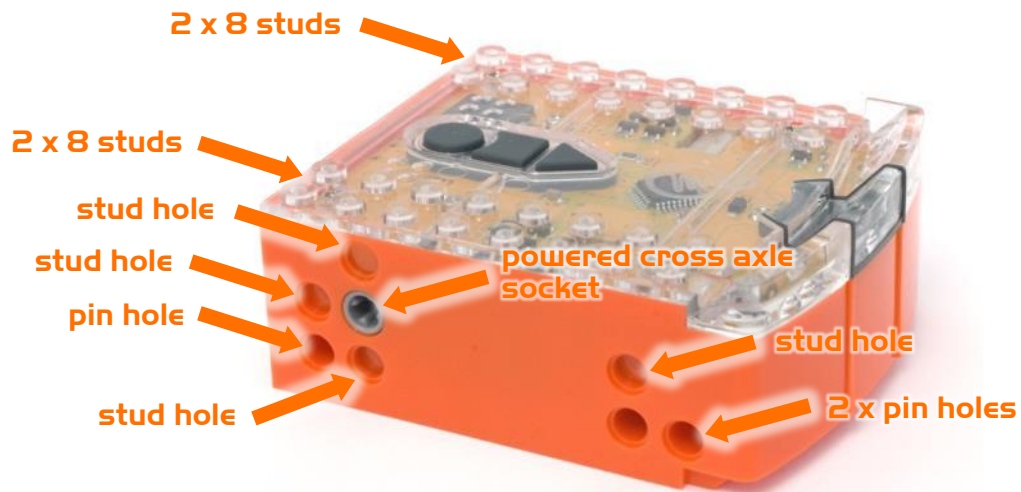


Available from

[MyBrick.com.au](https://www.mybrick.com.au)

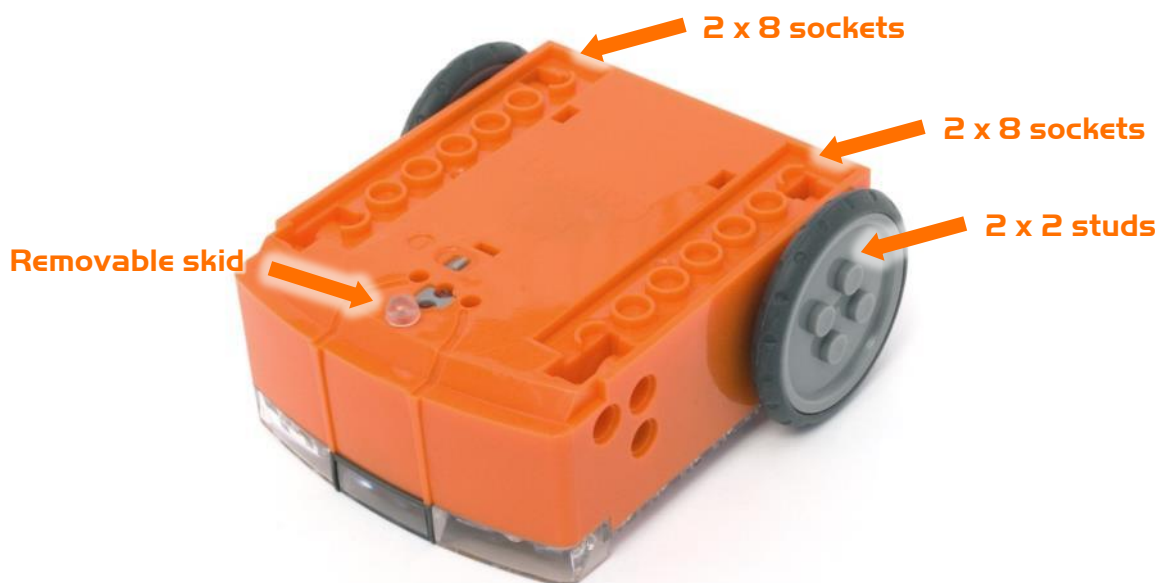
Edison and LEGO compatibility

LEGO bricks can be attached to the top and bottom of the Edison robot and LEGO pegs can be attached on the sides. There are three types of holes on the side of Edison:



Edison's side and top LEGO connections

Hole type	Description	Connects to
Pin hole	Full depth for connecting pegs	
Stud hole	Normal stud depth can be used for half pegs	
Cross axle	Powered output that rotates	



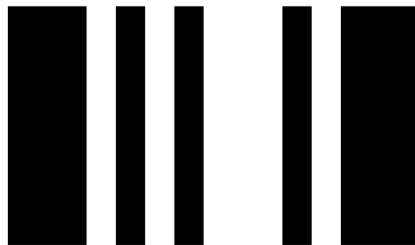
Edison's bottom and wheel LEGO connections

Program Lift controller Edison

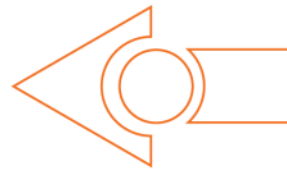
Drive the top Edison over the following barcodes. Use buttons that correspond well with lift up and lift down on the remote control, but don't use the buttons that you want to drive the EdLift with. See suggested button arrangement below, although your remote control will likely be different.

Reading the barcode

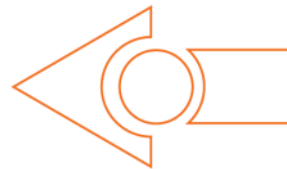
1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function



Barcode – IR learn Lift up



Barcode – IR learn Lift down



Suggested button setup

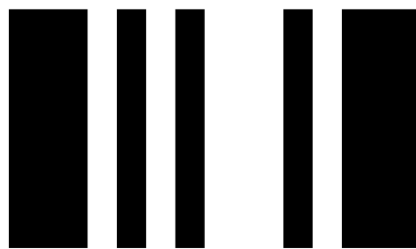


Program driving Edison

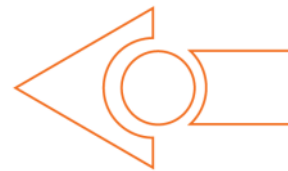
The bottom driving Edison will control the movement of EdLift (forwards, backwards, spin left and spin right). Drive this Edison over the following barcodes. Use buttons that correspond well with the driving manoeuvres on the remote control, but don't use the buttons that you want to control the bucket with.

Reading the barcode

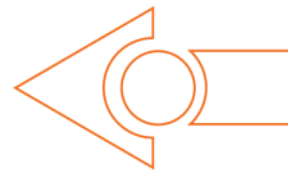
1. Place Edison facing the barcode on the right side
2. Press the record (round) button 3 times
3. Edison will drive forward and scan the barcode
4. Press a button on your TV/DVD remote that you want to activate that function



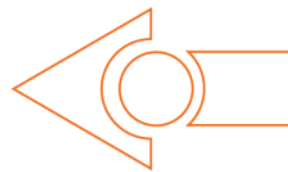
Barcode – IR learn drive forward



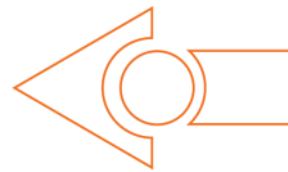
Barcode – IR learn drive backward



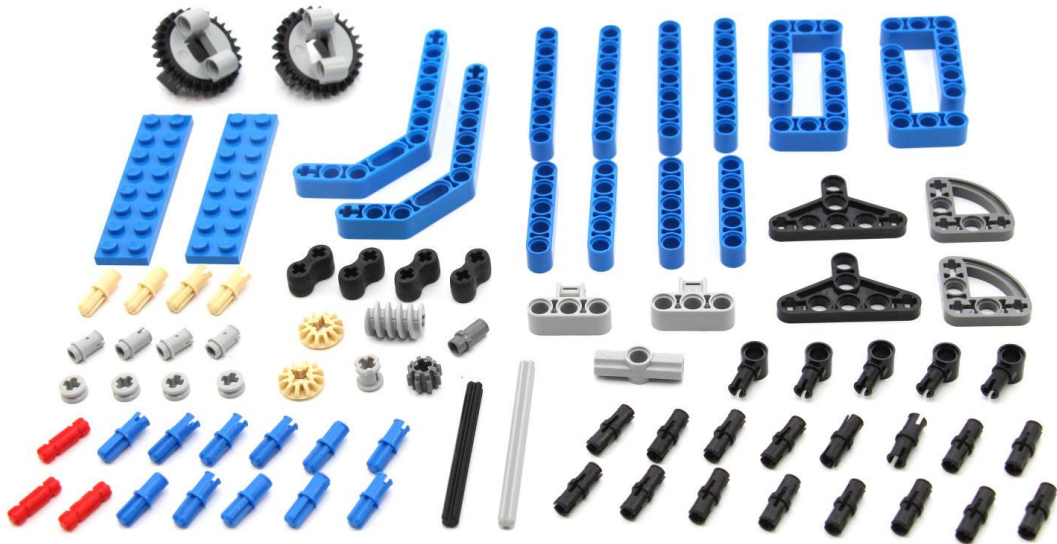
Barcode – IR learn spin right



Barcode – IR learn spin left



EdLift Parts



Step 1



Step 2



Step 3



Step 4



Step 5



Step 6



Step 7



Step 8



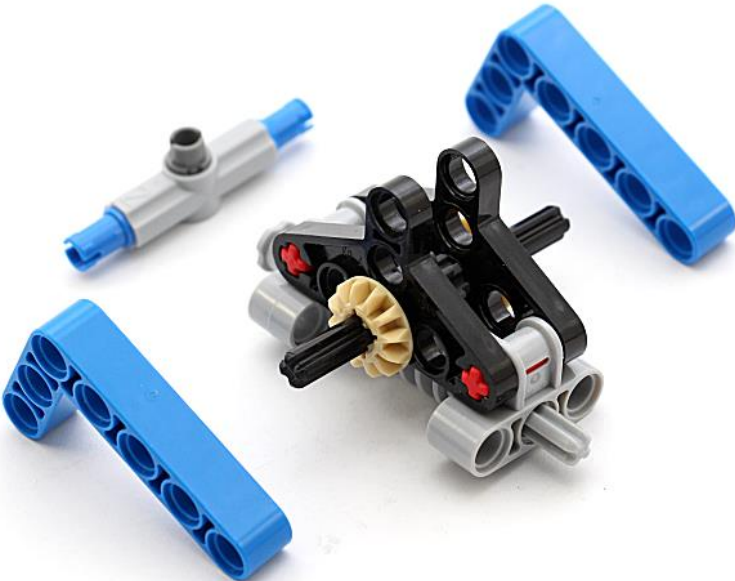
Step 9



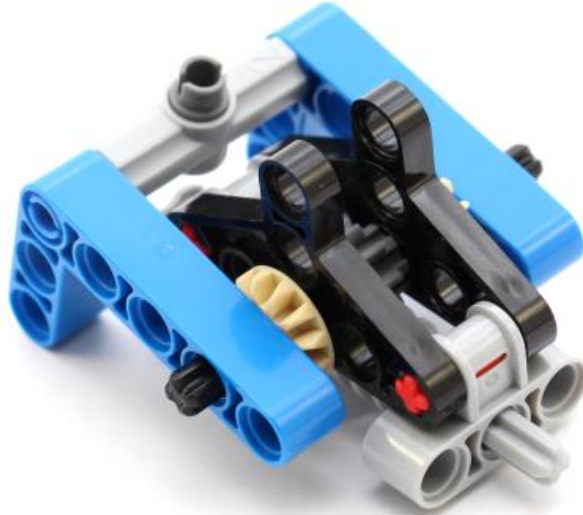
Step 10



Step 11



Step 12



Step 13



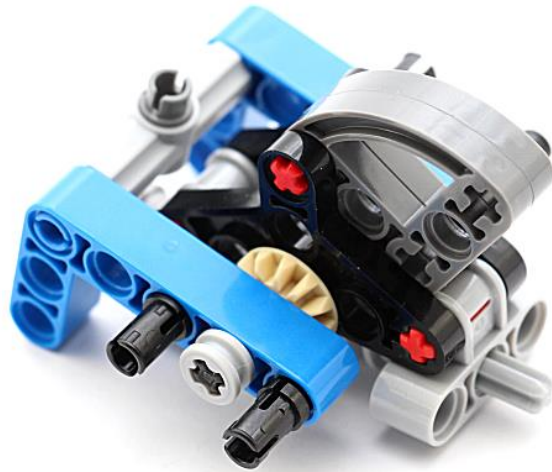
Step 14



Step 15



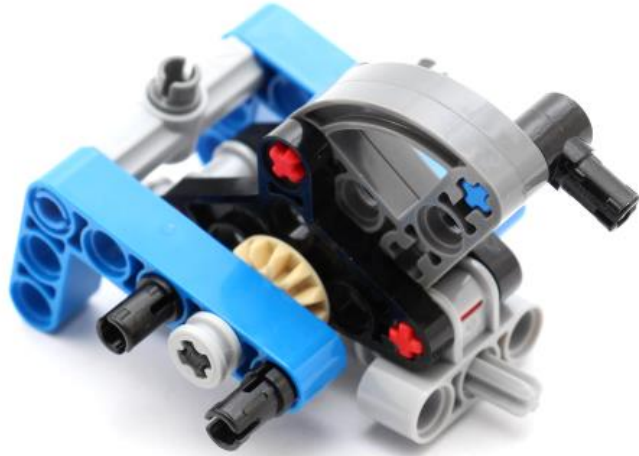
Step 16



Step 17



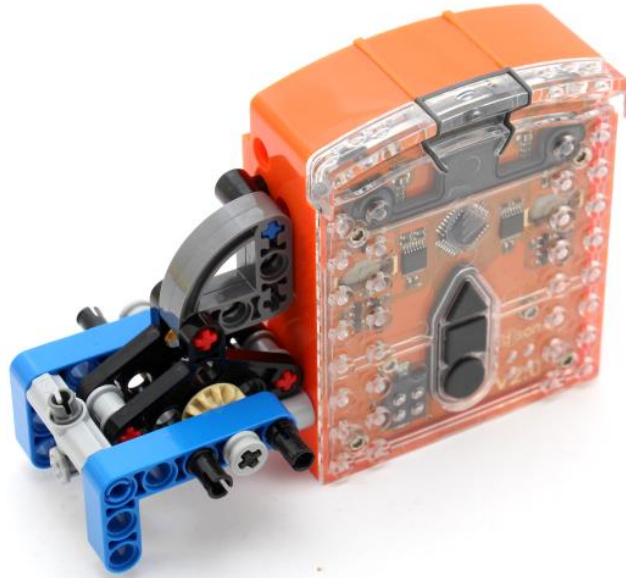
Step 18



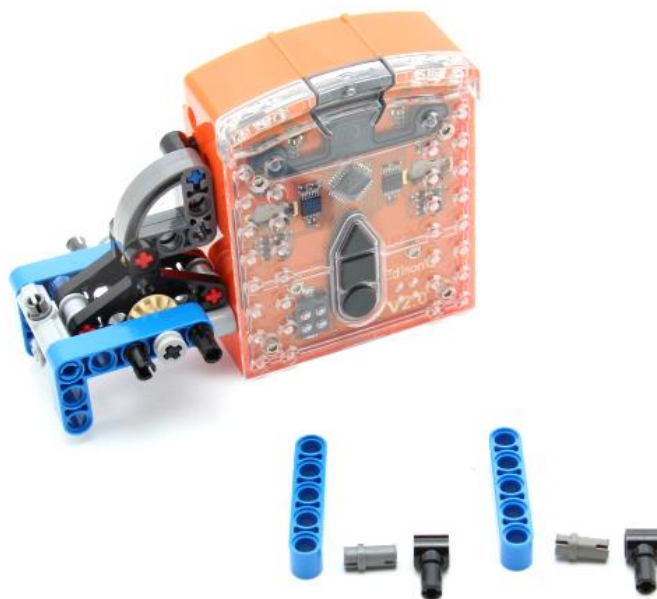
Step 19



Step 20



Step 21



Step 22



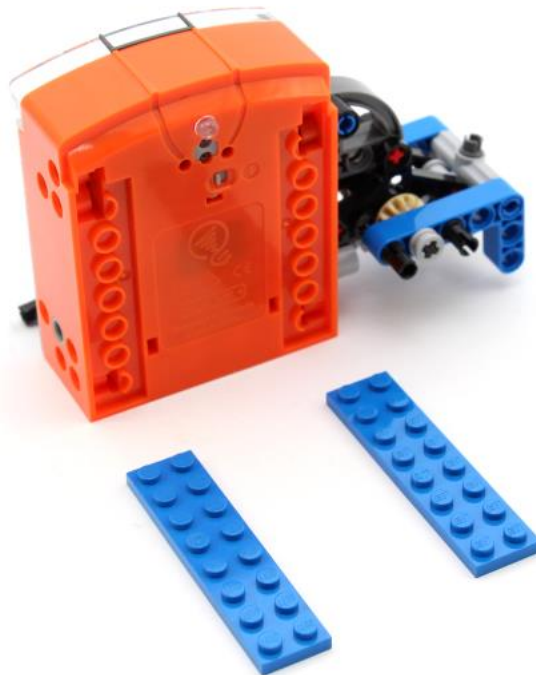
Step 23



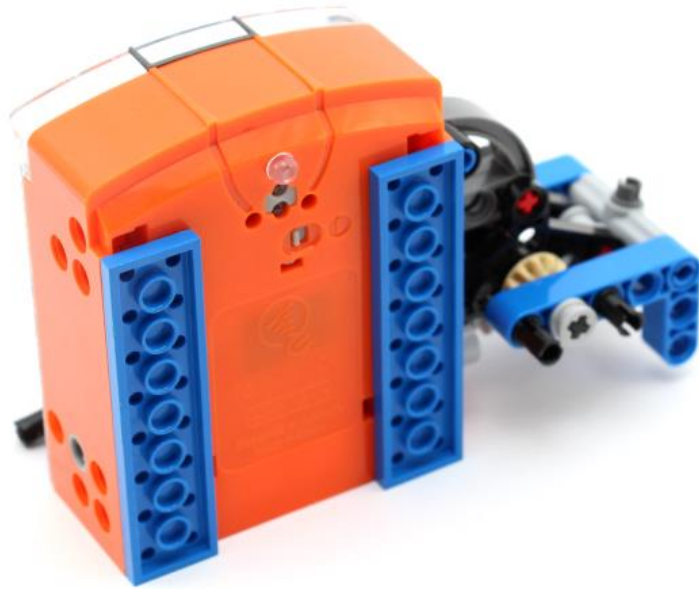
Step 24



Step 25



Step 26



Step 27



Step 28



Step 29



Step 30



Step 31



Step 32



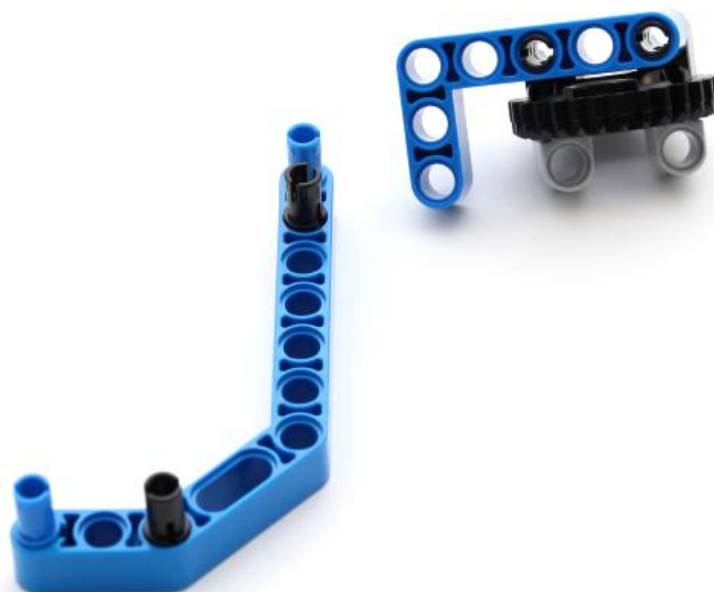
Step 33



Step 34



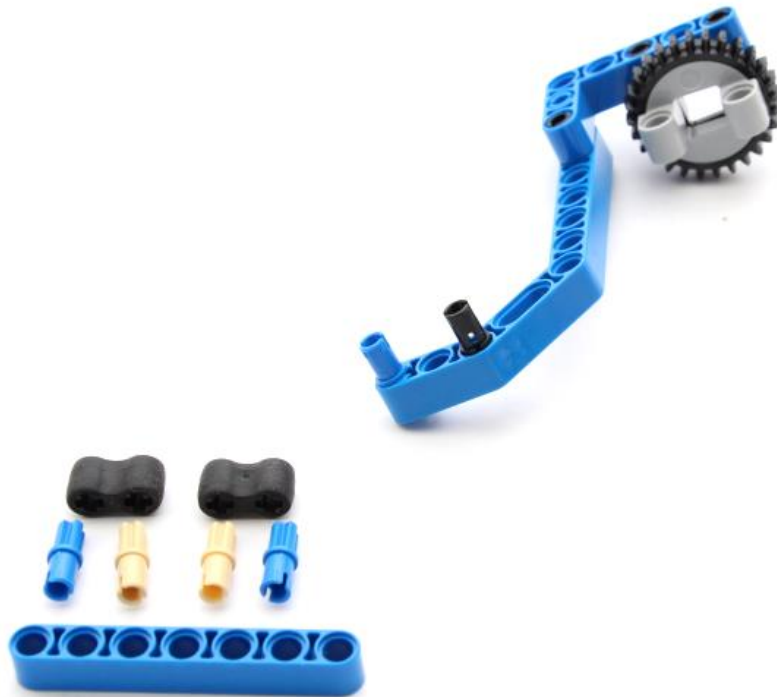
Step 35



Step 36



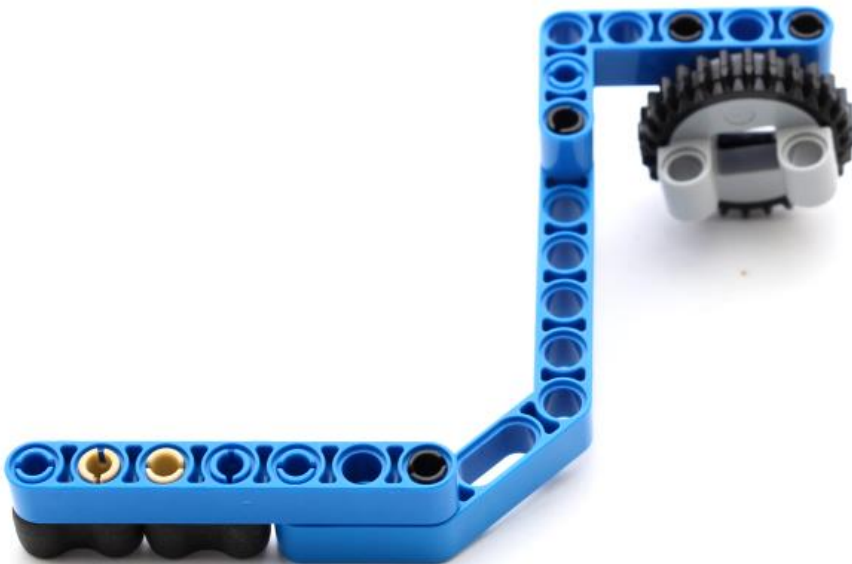
Step 37



Step 38



Step 39



Step 40



Step 41



Step 42



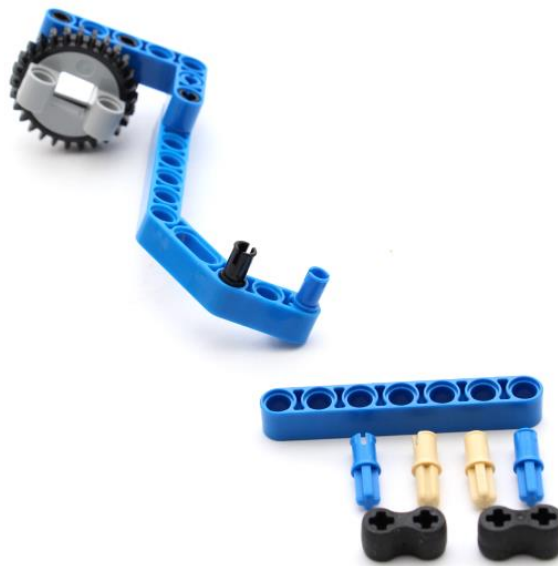
Step 43



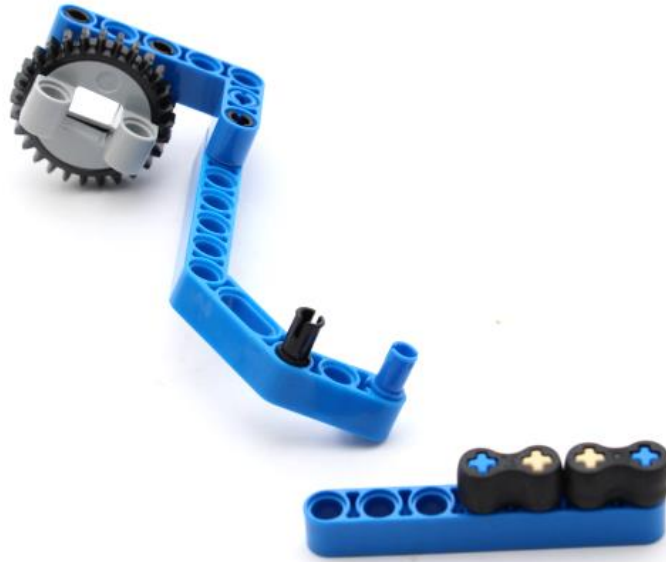
Step 44



Step 45



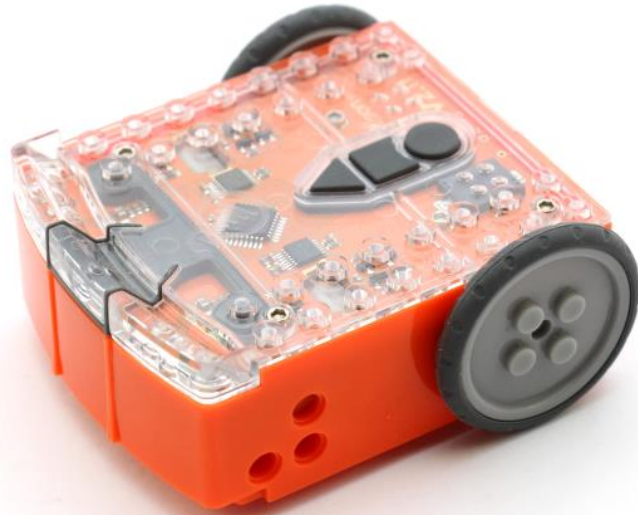
Step 46



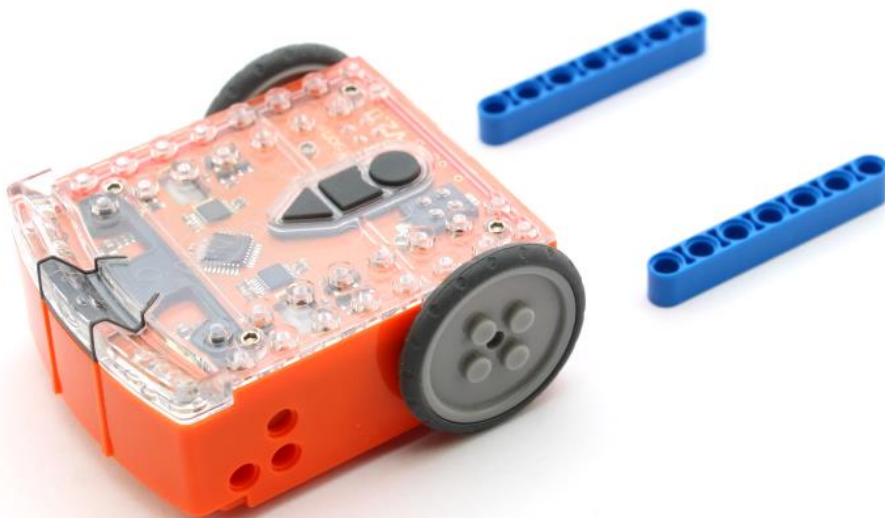
Step 47



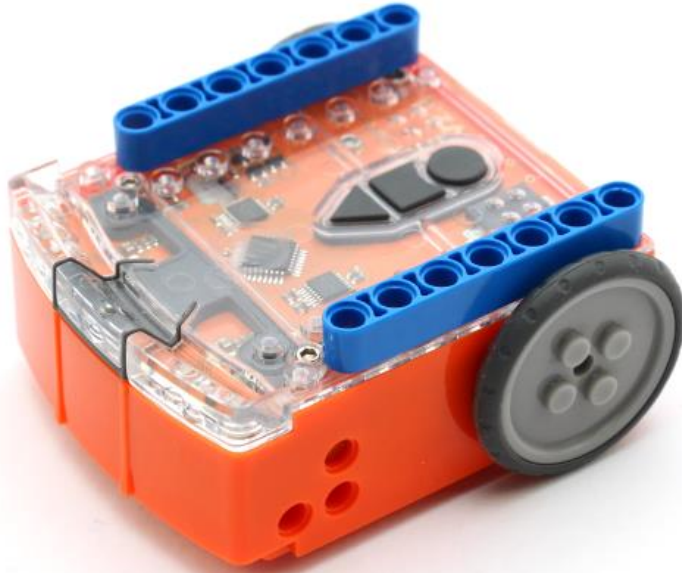
Step 48



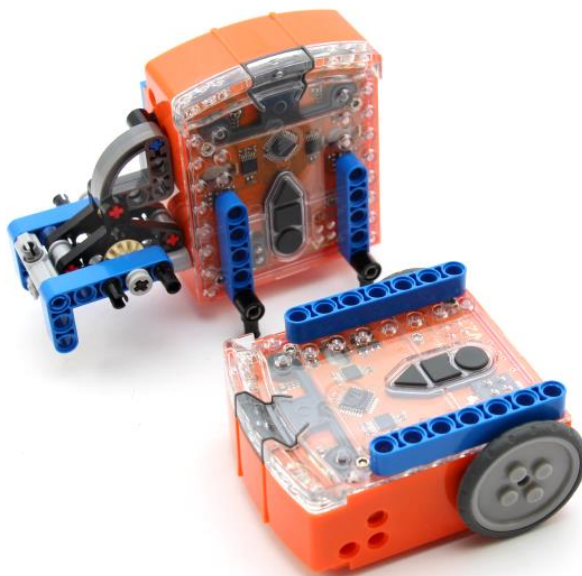
Step 49



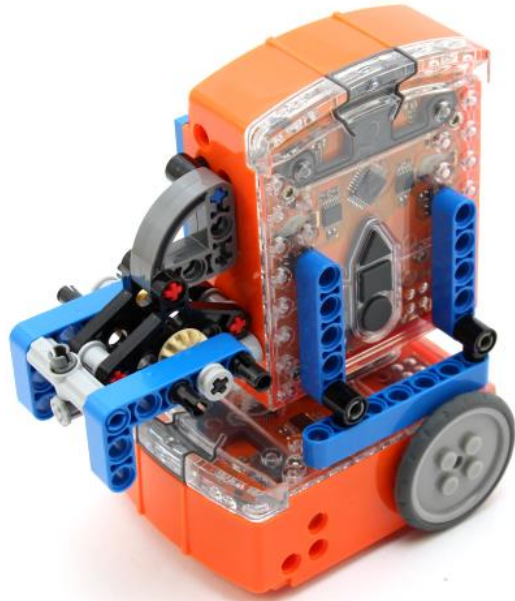
Step 50



Step 51



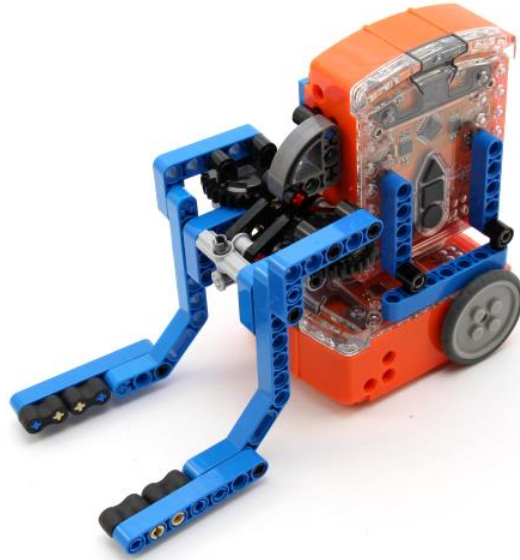
Step 52



Step 53

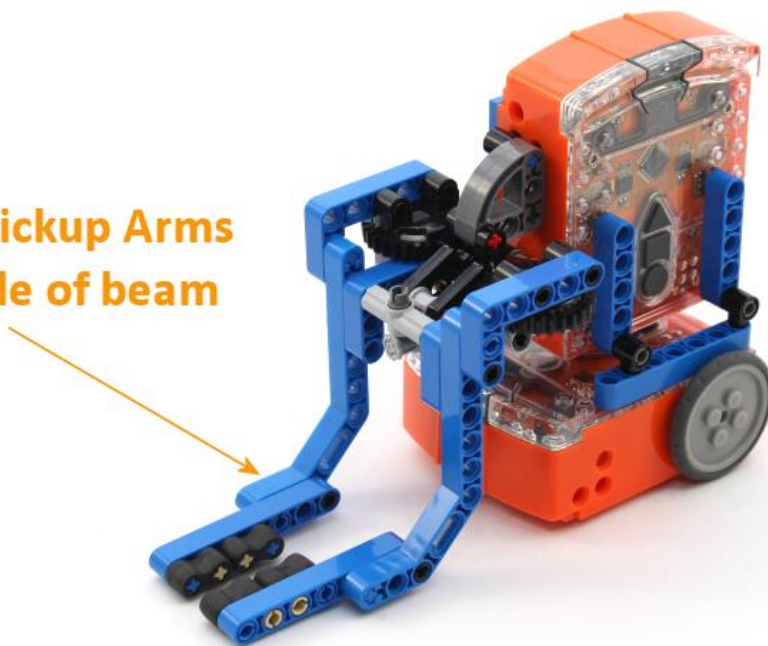


Step 54



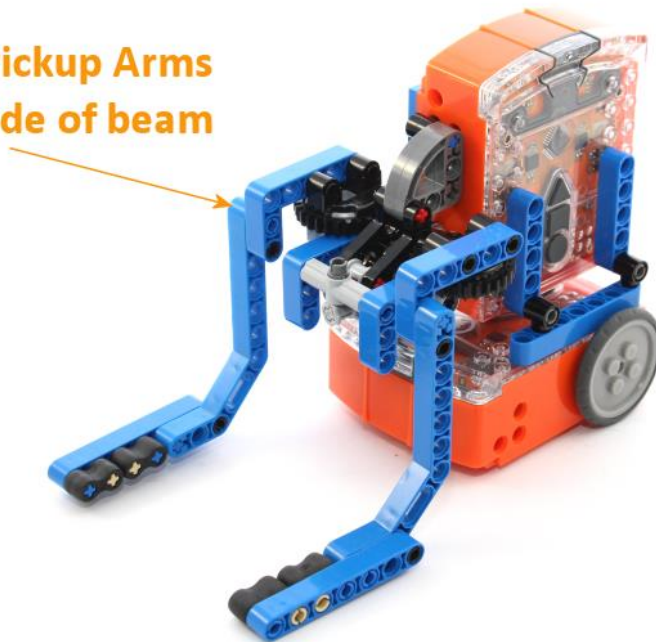
Alternative version for picking up smaller objects

**Move Pickup Arms
to inside of beam**



Alternative version for picking up larger objects

Move Pickup Arms
to outside of beam



Alternative version for picking up higher objects

Turn Pin on Centre Connector
into the downward position.
This will position the Arms higher
off the ground

