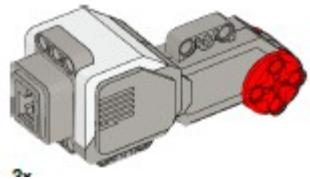


Parts:



2 x Motors



2 x Right Angle Fixtures

For Each Motor attach one. Right Angle Fixture to the inside holes.



Parts:

 2 x Single Connectors

 2 x Long Connectors

1 x 7 hole beam

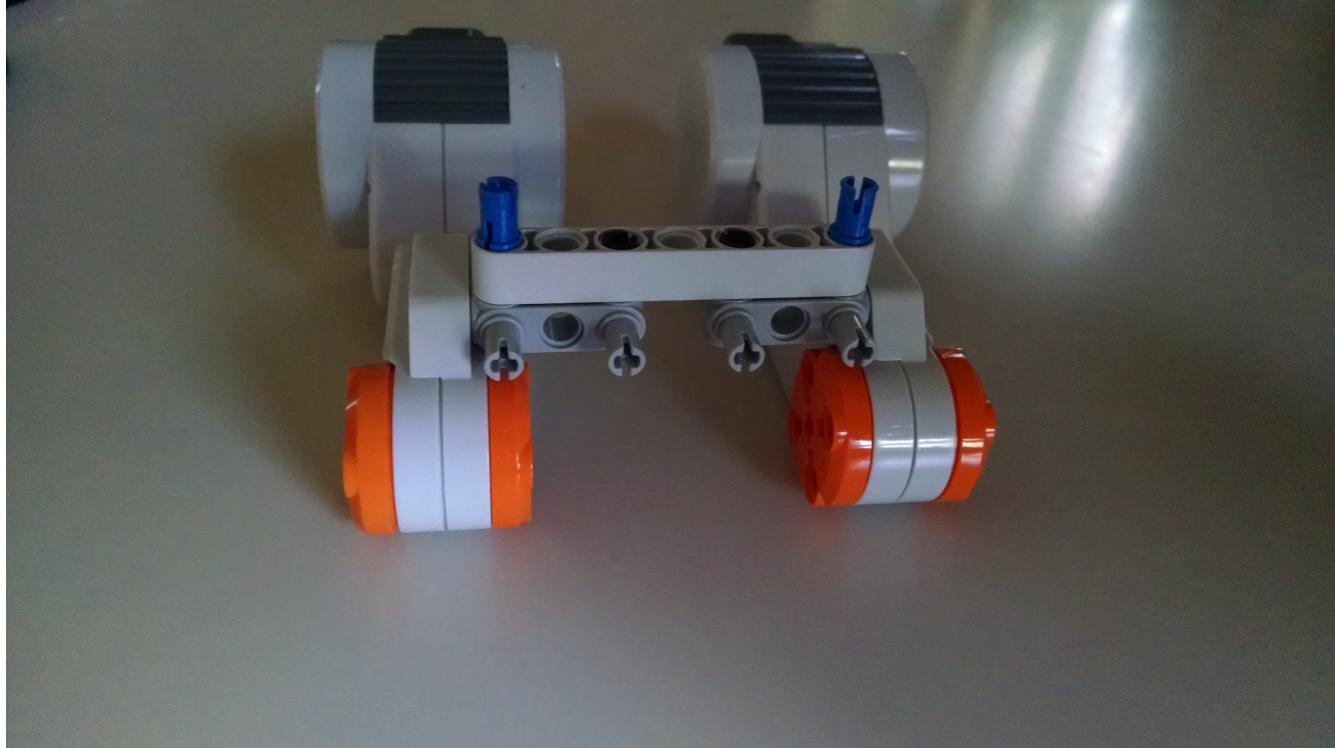
Place the 2 long connectors on the end holes of the 7 hole beam. Place the single connectors 2 holes inside of the long connectors



Parts

None

Connect the 2 Motors with the 7 hole beam

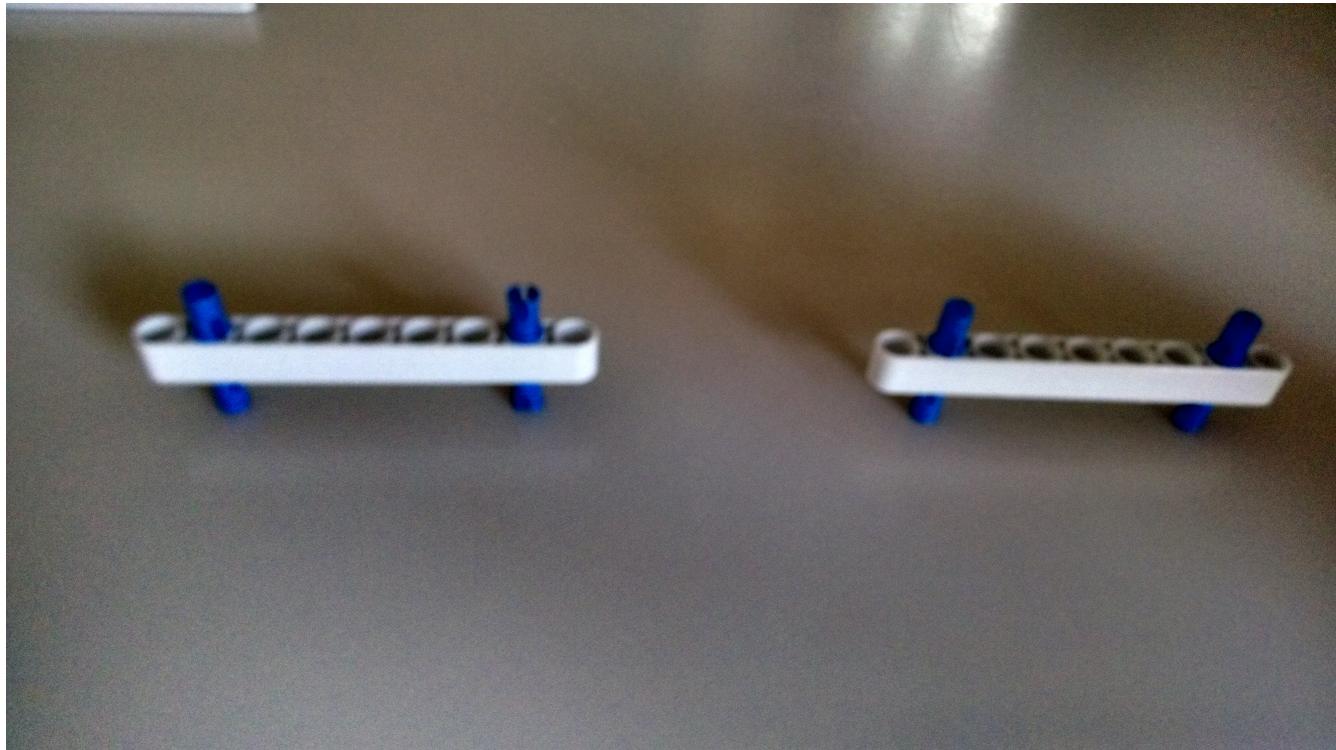


Parts:


4 x Long Connectors

2 x 9 hole beam

Place a long connector 2 holes in from each end of the 9 hole beams



Parts

2 x 13 hole beams

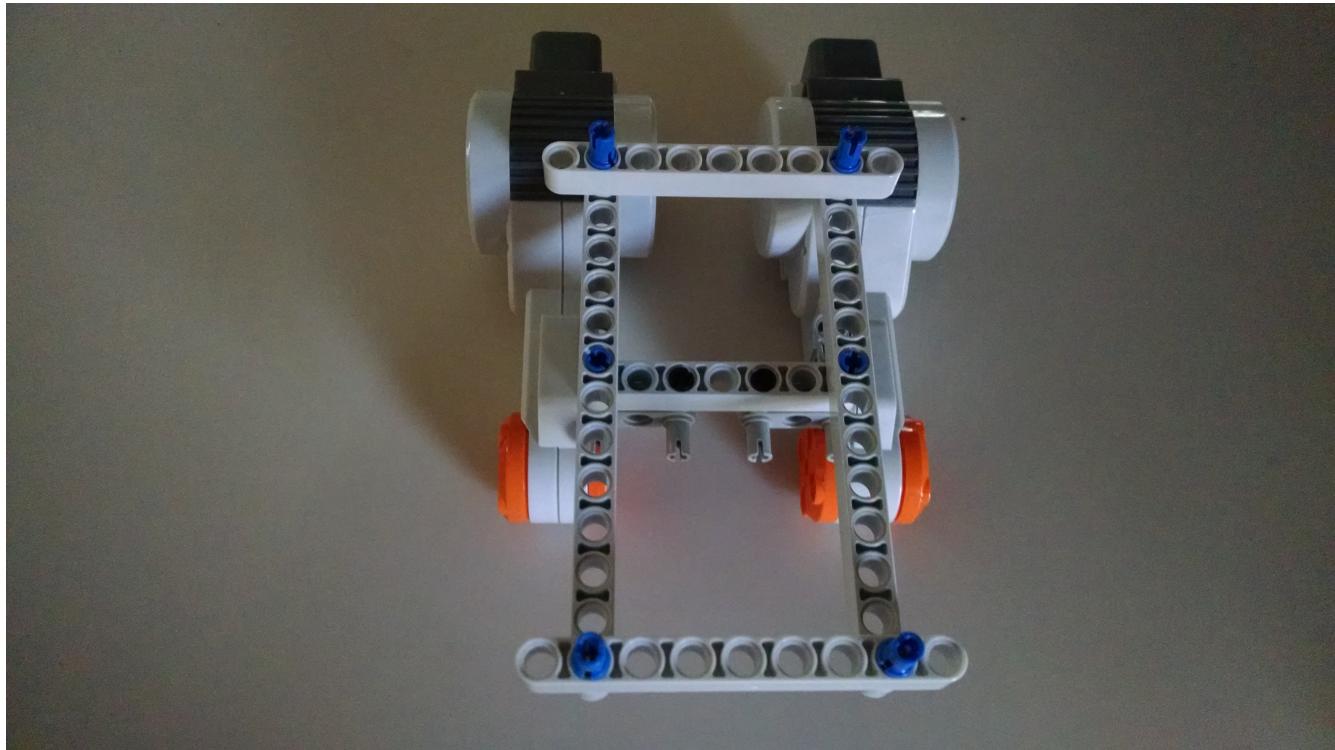
Attach the 13 hole beams under 9 hole beams.



Parts

None

Connect the square beams from the previous step by connecting it 6 holes from the end of the 13 hole beams



Parts

2 x single connectors

1 x 9 hole beam

Place a single connector in each of the ends of the 9 hole beam



Parts

None

Connect the 9 hole beam to the other side of the motors in the middle of the 3 holes in the motor

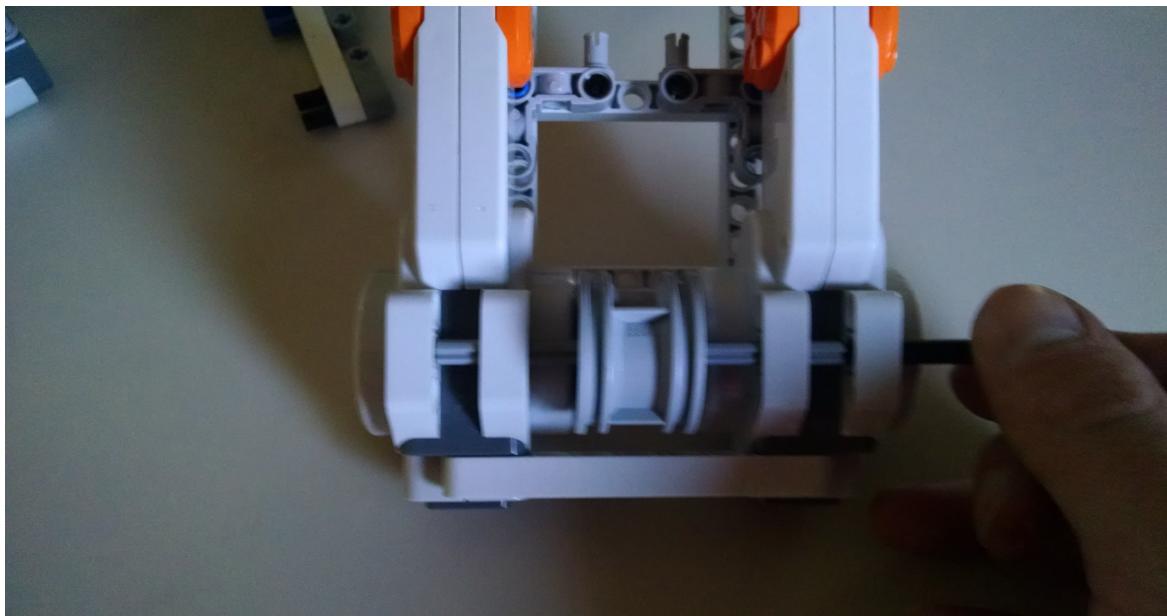
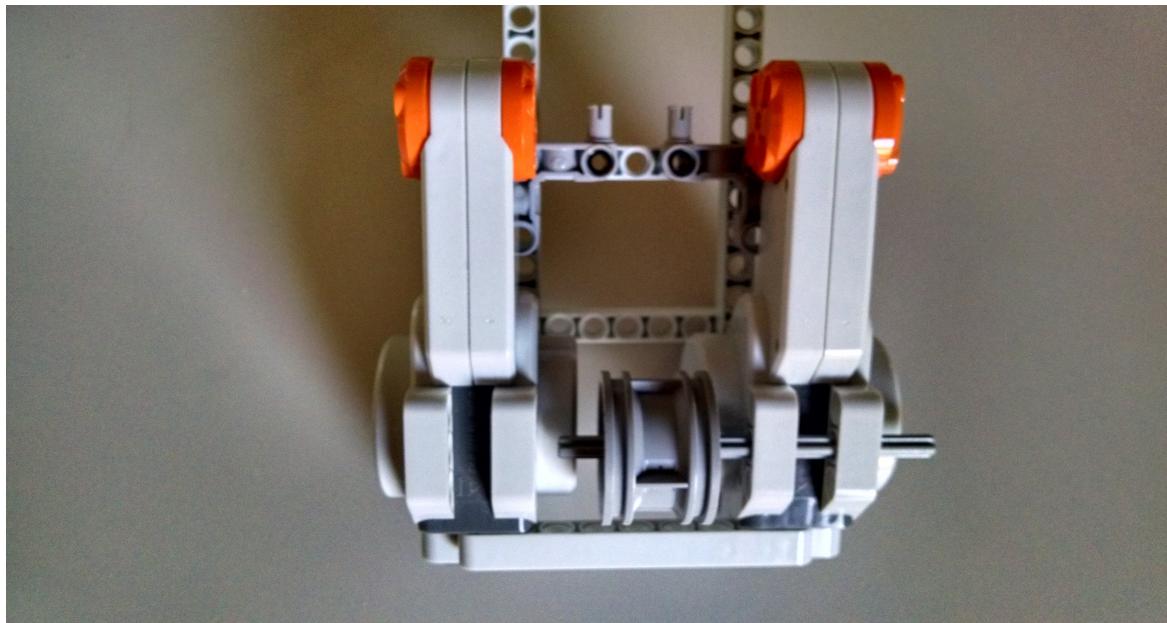


Parts

1 x wheel without tire

1 x long rod

Push the rod through the middle hole on the bottom of the motor and then pushe the rod through the wheel without the tire. Use a medium rod to center the long rod between the wheel.



Parts

2 x single connectors

2 x right angle beams

Place single connectors in each of the top 2 holes of the right angle beams



Parts:
None

Attach the right angle beams to the 9 hole beam in front of the motors



Parts

4 x long connectors

1 x 7 hole beam

Place the long connectors into the 2 end holes on each side of the 7 hole beam



Parts

2 x 2 hole single rod beams

Connect the 2 hole single rod beams to the connectors of the 7 hole beam with the rod holes on the inside.



Parts

2 x short rods

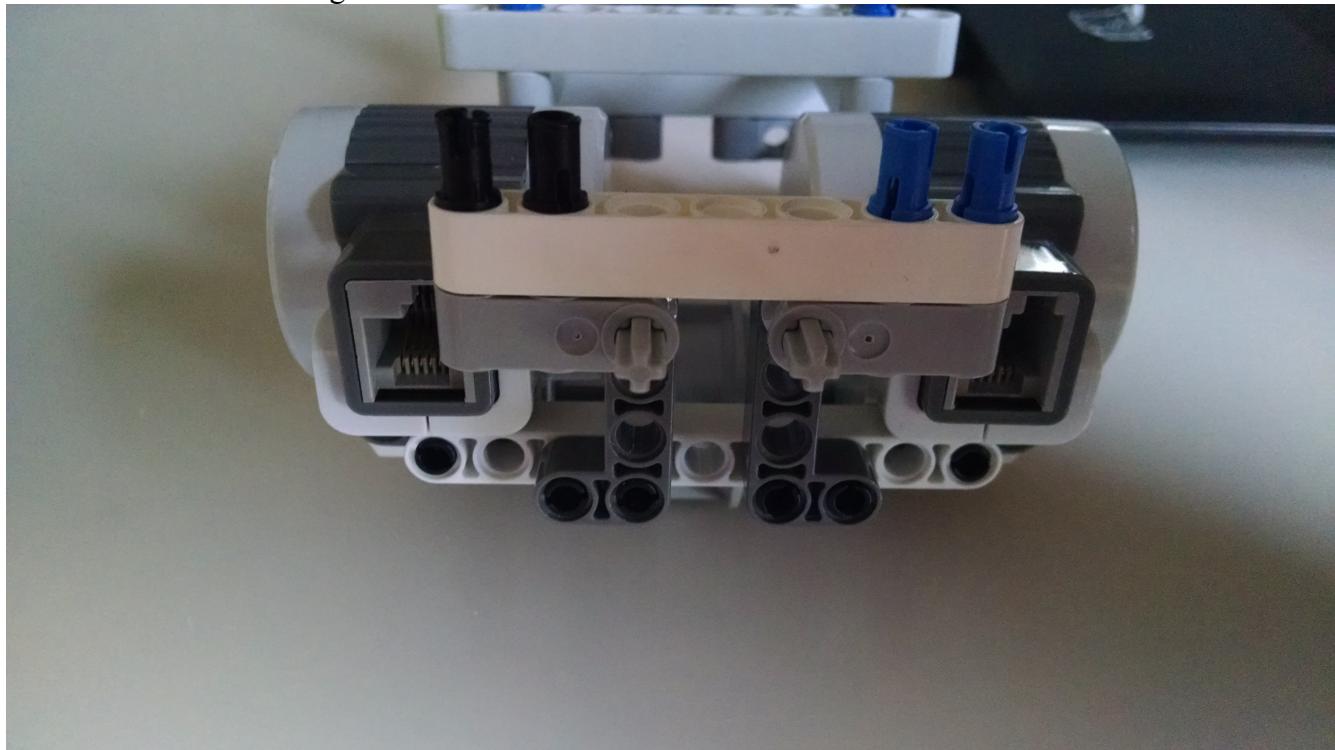
Insert the short rods into the rod holes on the 2 right angle beams



Parts

None

Slide the short rods through the rod holes on the 2 hole rod beams



Parts

2 x long connectors

1 x color sensor or light sensor

Place the long connectors through the bottom 2 holes on the color or light sensor.



Parts

2 x 2 hole rod beams

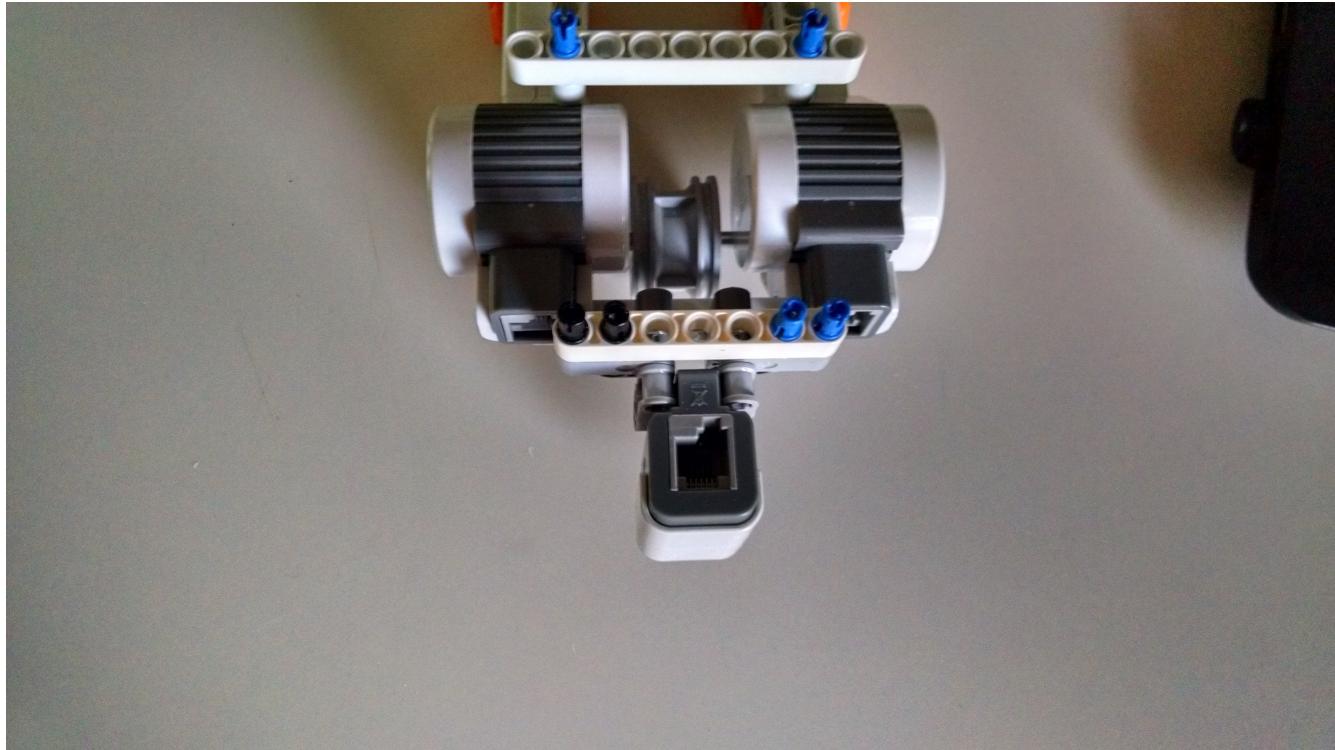
Attach the 2 hole rod beams to the color sensor



Parts

None

Attach the color sensor to the small rods



Parts

2 x wheel with tire

2 x medium rod

Push a medium rod through each wheel with tire.



Parts

2 x rod facet

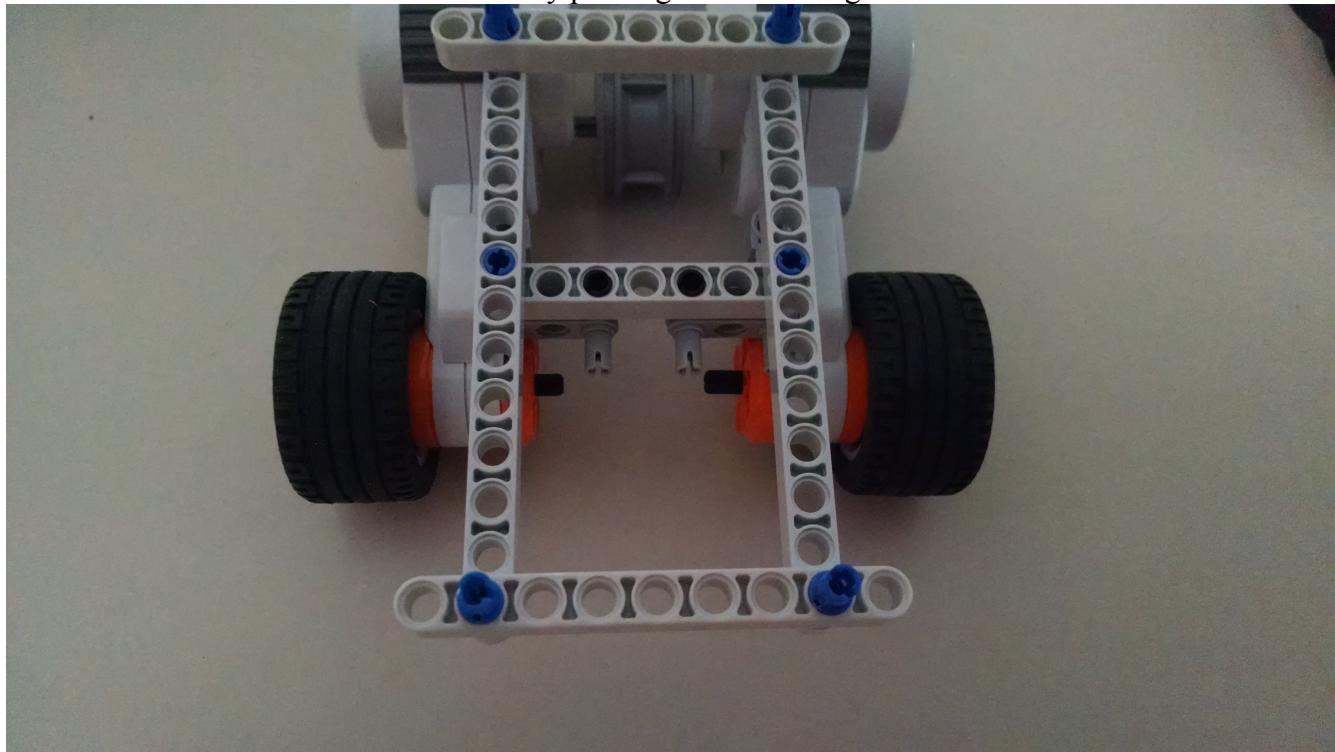
Place a rod facet on each rod in the wheels with tires



Parts

None

Attach each wheel with tire to the motor by pushing the rod through the middle hole of the axle.



Parts

1 x Brick

3 x Wires

Place the brick on top of the 2 9 hole beams with the numbers ports next to the color sensor. Connect the color sensor to the #1 port and the right and left motors to the A and C port respectively.

