

Start Building!

Just Dance

GRAB A CONTROLLER!! Make your own game control with a built in TILT SENSOR that detects your movements. Move the controller to make your dancer spin!



Step 1

You will Need:



White 2x6
Plate



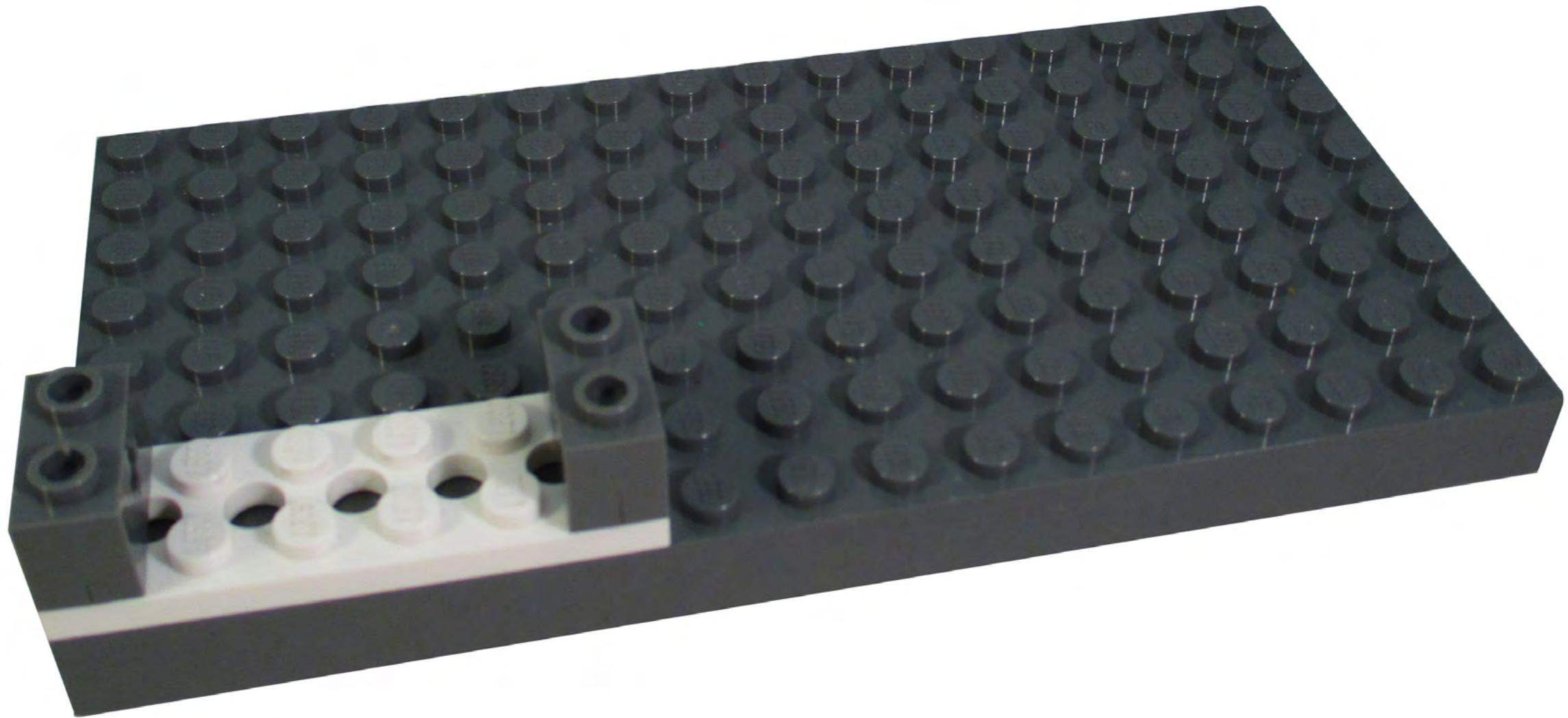
Grey 1x2
with Cross
Hole



Grey 1x2
with Cross
Hole



Grey 8x16
Brick



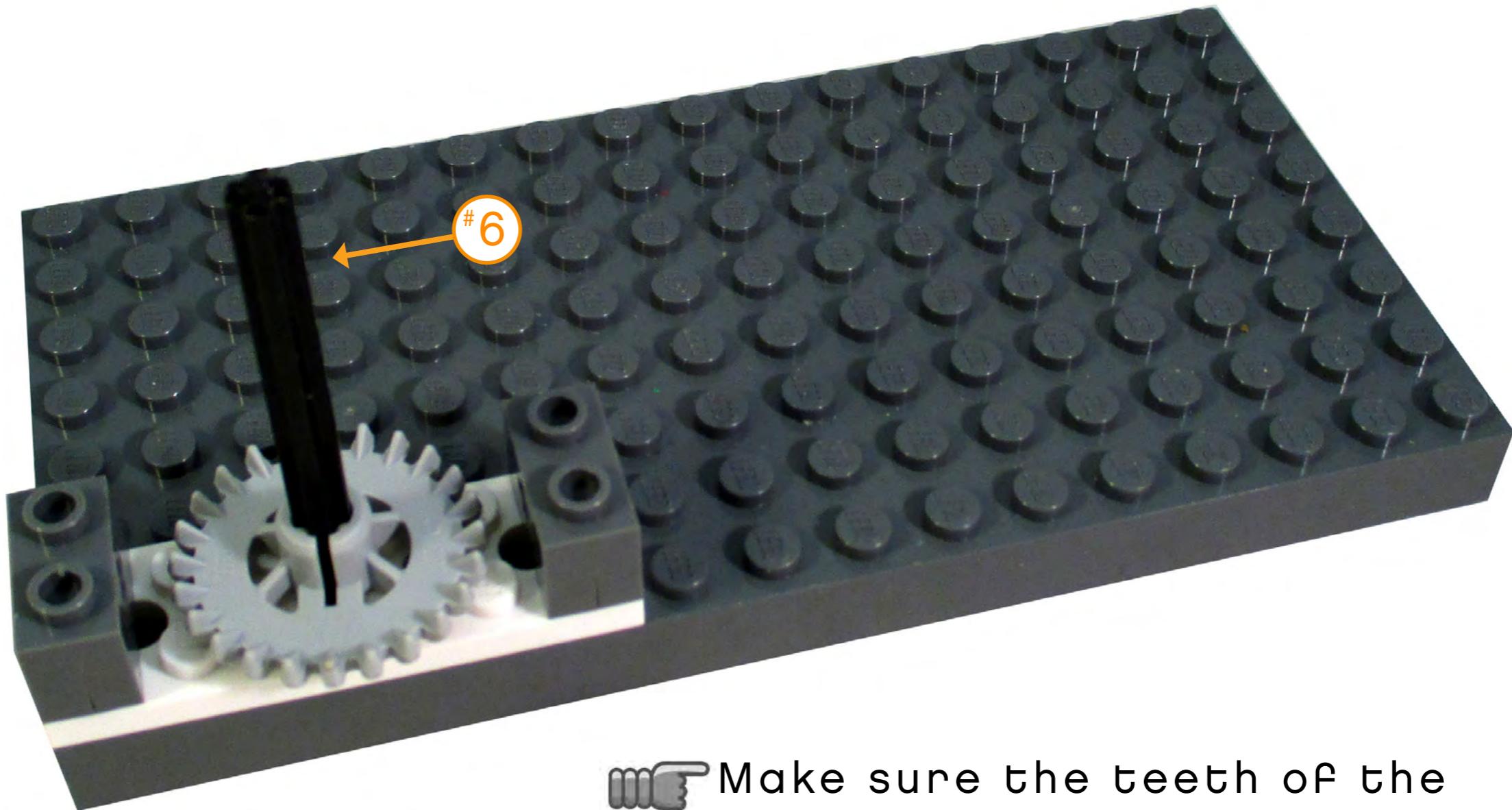
Step 2

You will Need:



#6 Axle

Crown Gear



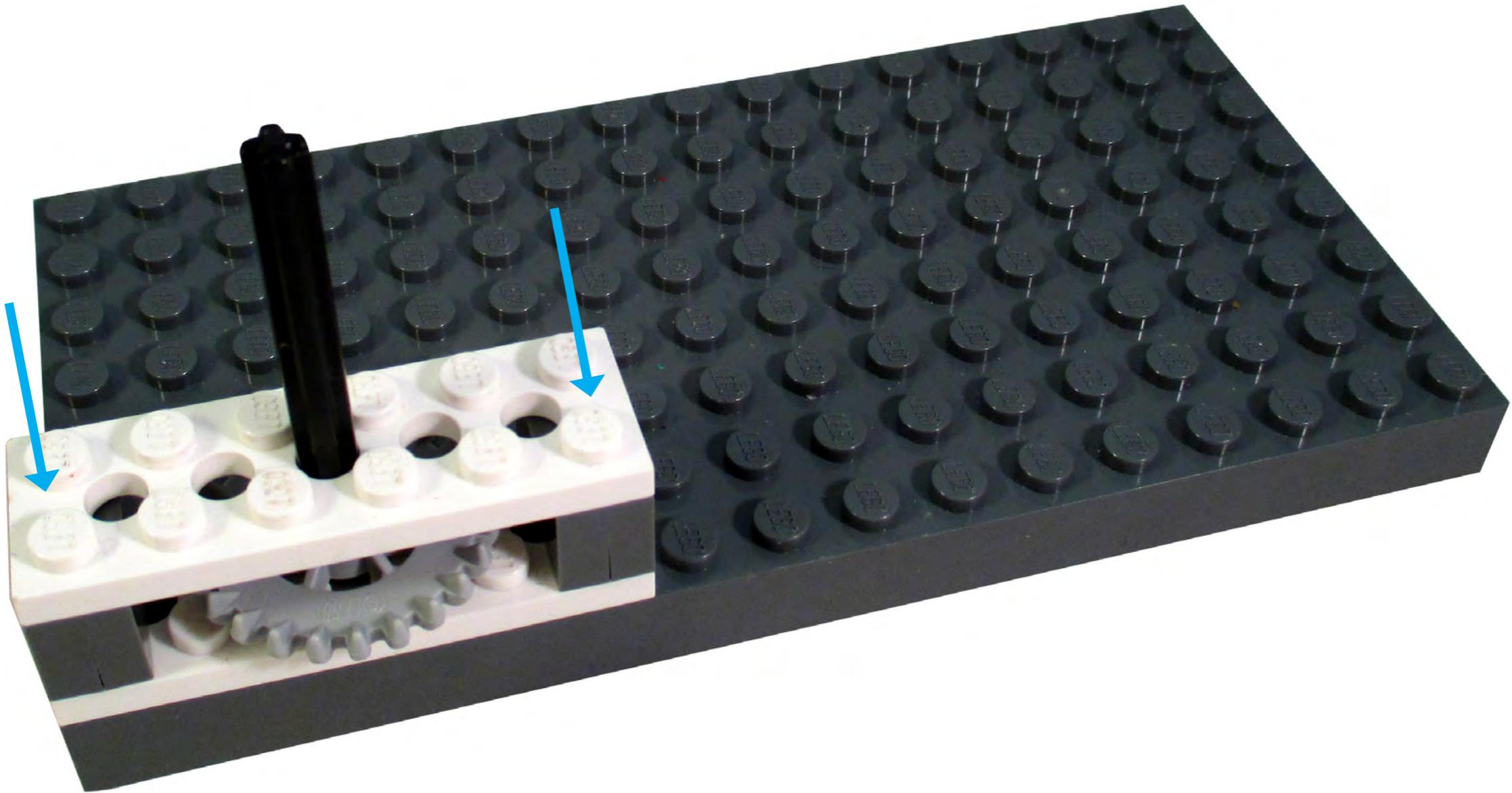
Make sure the teeth of the
Crown gear are pointing up!

Step 3

You will Need:



White 2x6
Plate



Step 4

You will Need:



Yellow 1x2
Brick



Yellow 1x2
Brick



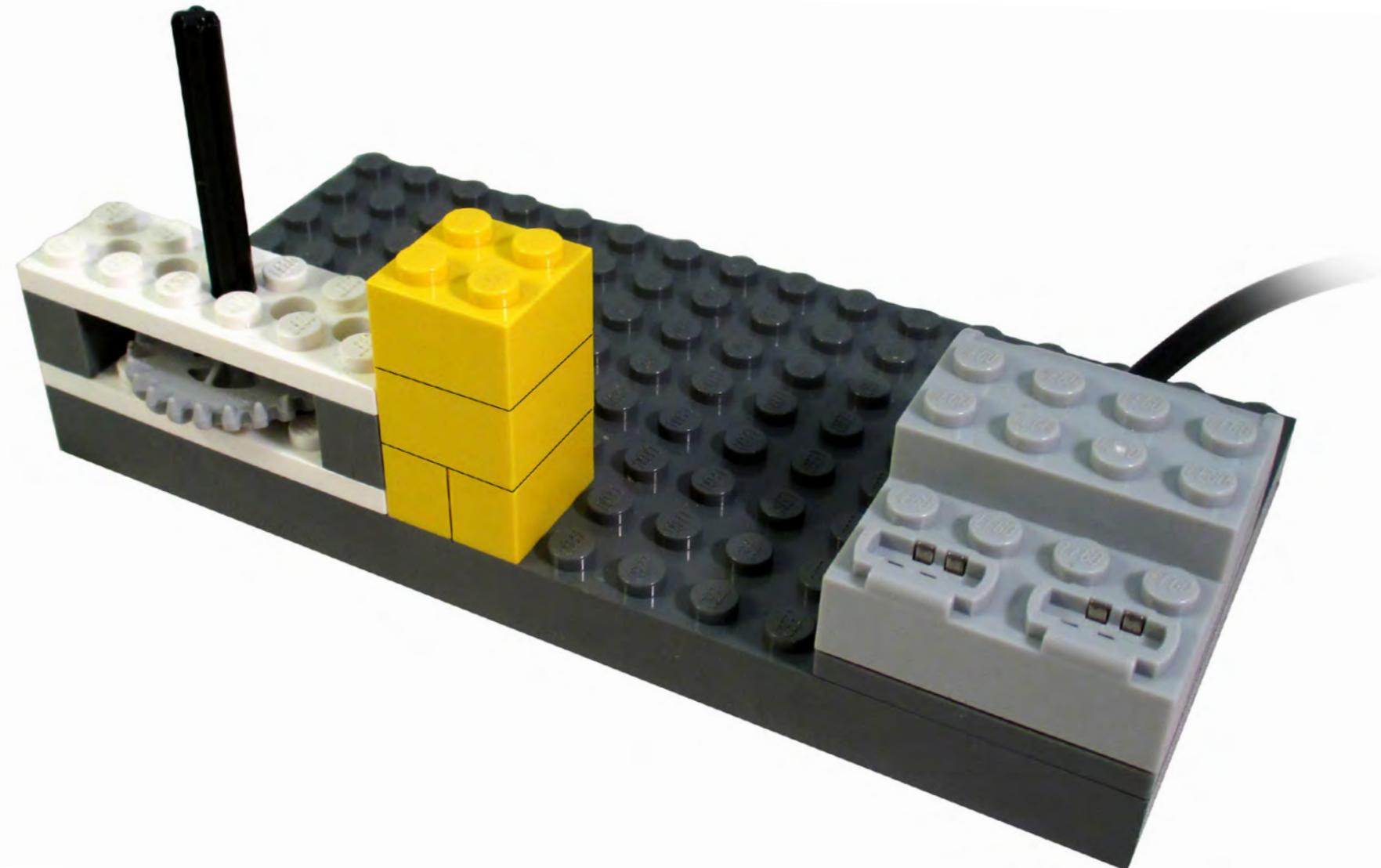
Yellow 2x2
Brick



Yellow 2x2
Brick



Hub



Step 5

You will Need:



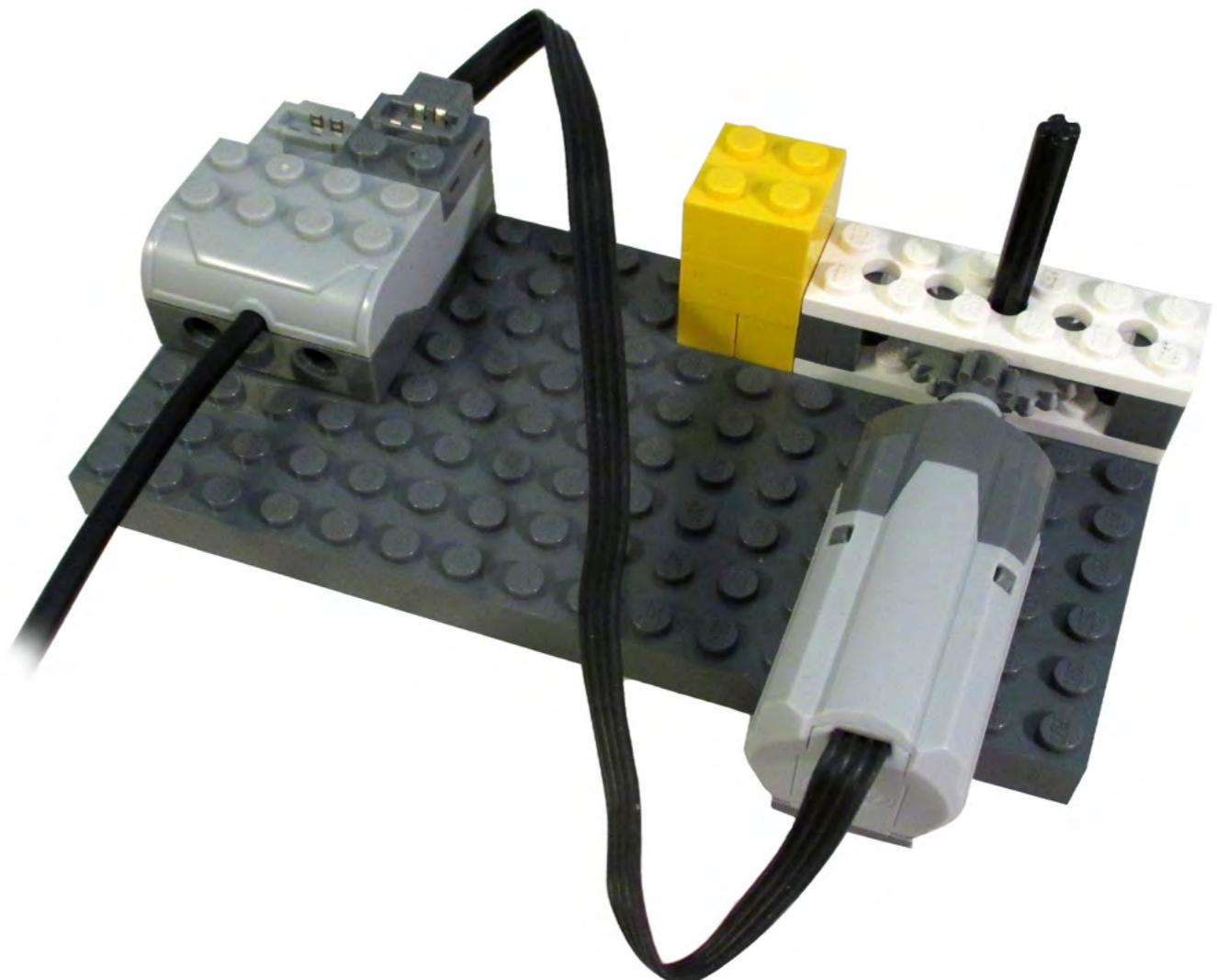
a.



b.

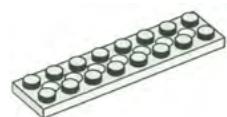


Make sure the gear's teeth are meshed!



Step 6

You will Need:



White 2x8
Plate



White 2x8
Plate



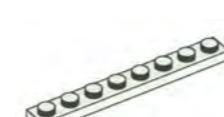
White 2x8
Plate



White 2x8
Plate



White 2x8
Plate



White 1x8
Plate



Step 7

You will Need:



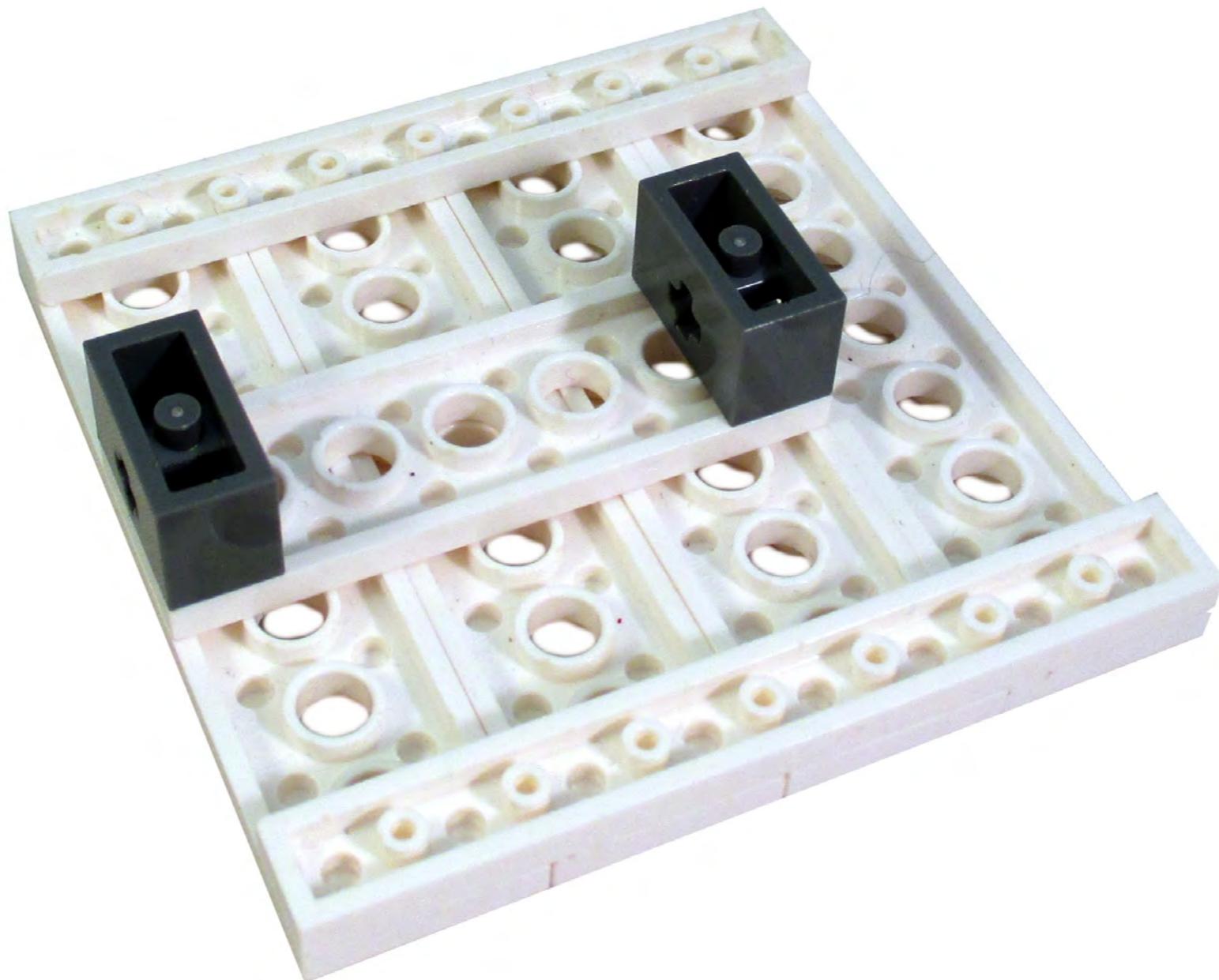
Grey 1x2
with Cross
Hole



Grey 1x2
with Cross
Hole



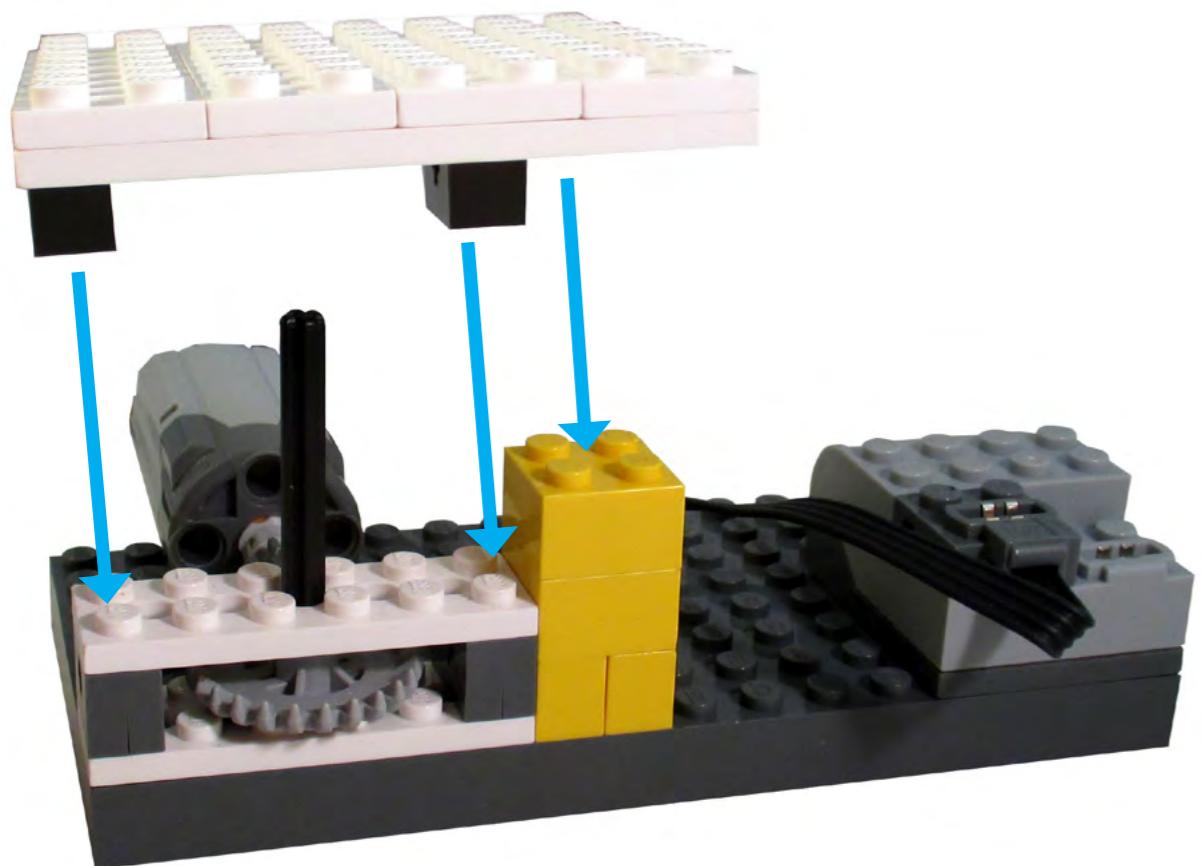
White 2x6
Plate



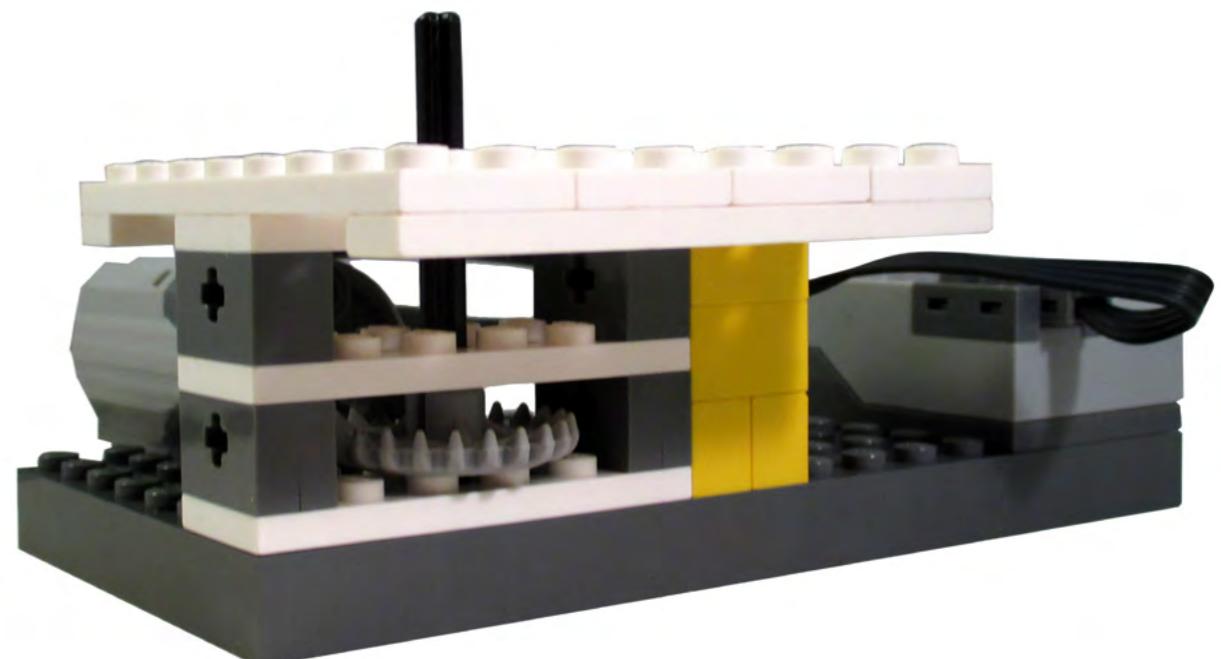
Step 8

☞ Attach the assembly!

a.



b.

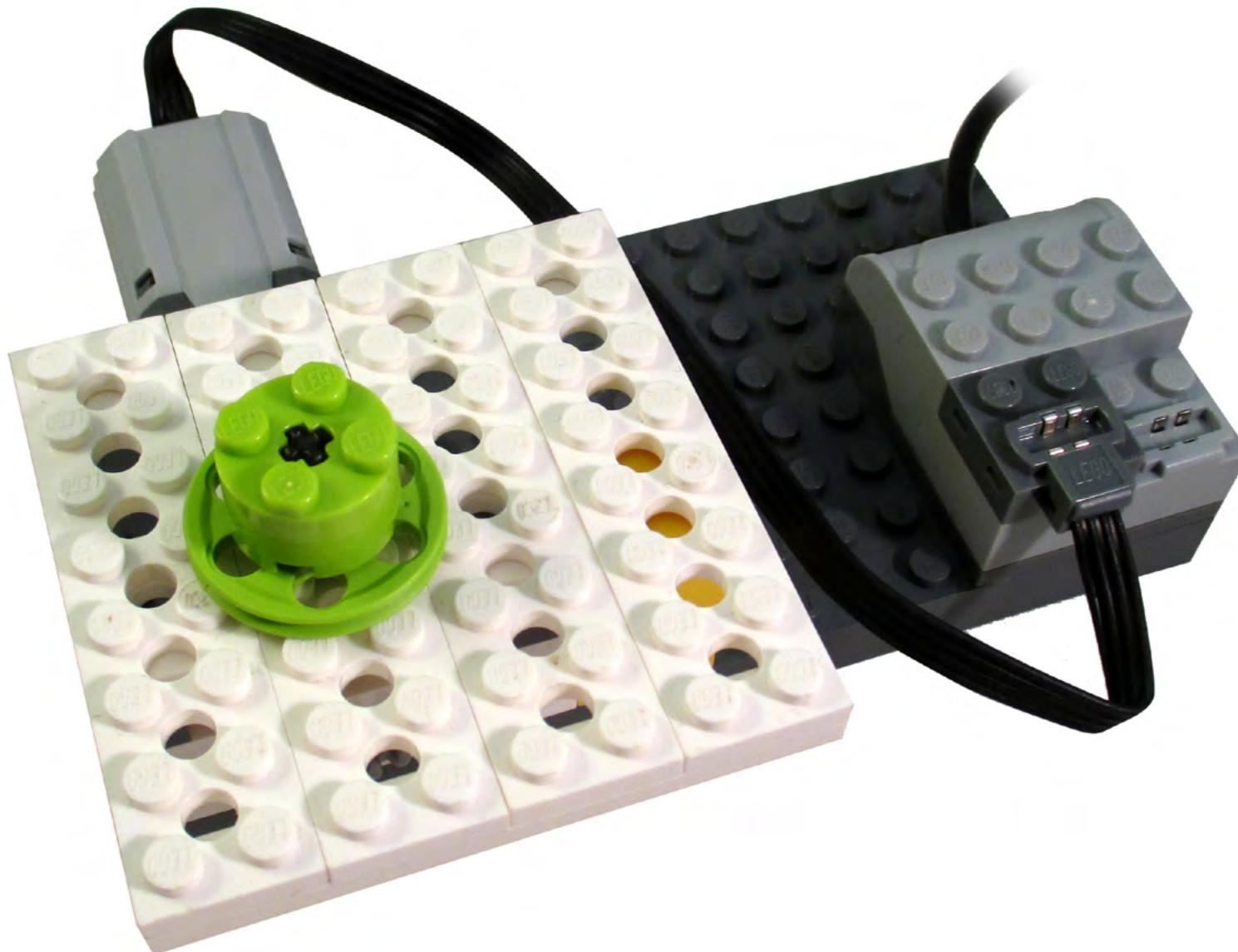


Step 9

You will Need:



Green Wheel Green Round
Brick



Step 10

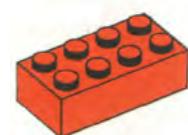
You will Need:



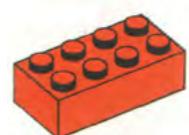
Red 1x2
with Hole



Red 1x2
with Hole



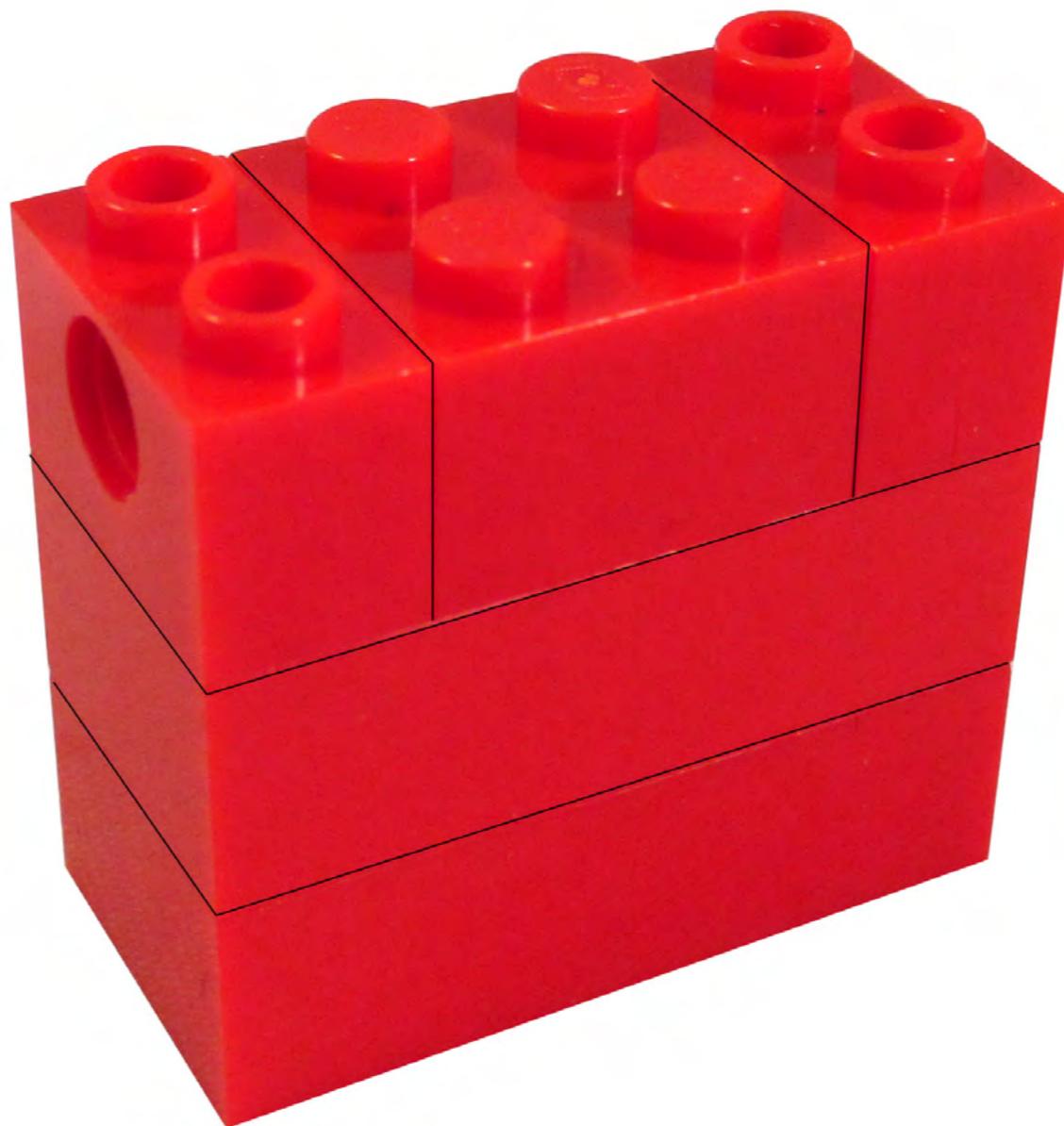
Red 2x4
Brick



Red 2x4
Brick



Red 2x2
Brick



Step 11

You will Need:



Yellow 1x2
with Stub



Yellow 1x2
with Stub



Yellow 2x2
Inverted
Wedge



Yellow 2x2
Inverted
Wedge



Yellow 2x4
Brick



Step 12

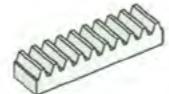
You will Need:



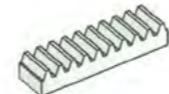
Eye



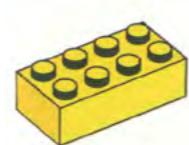
Eye



White
Toothed Plate



White
Toothed Plate



Yellow 2x4
Brick



Step 13

You will Need:



White 1x4
Plate



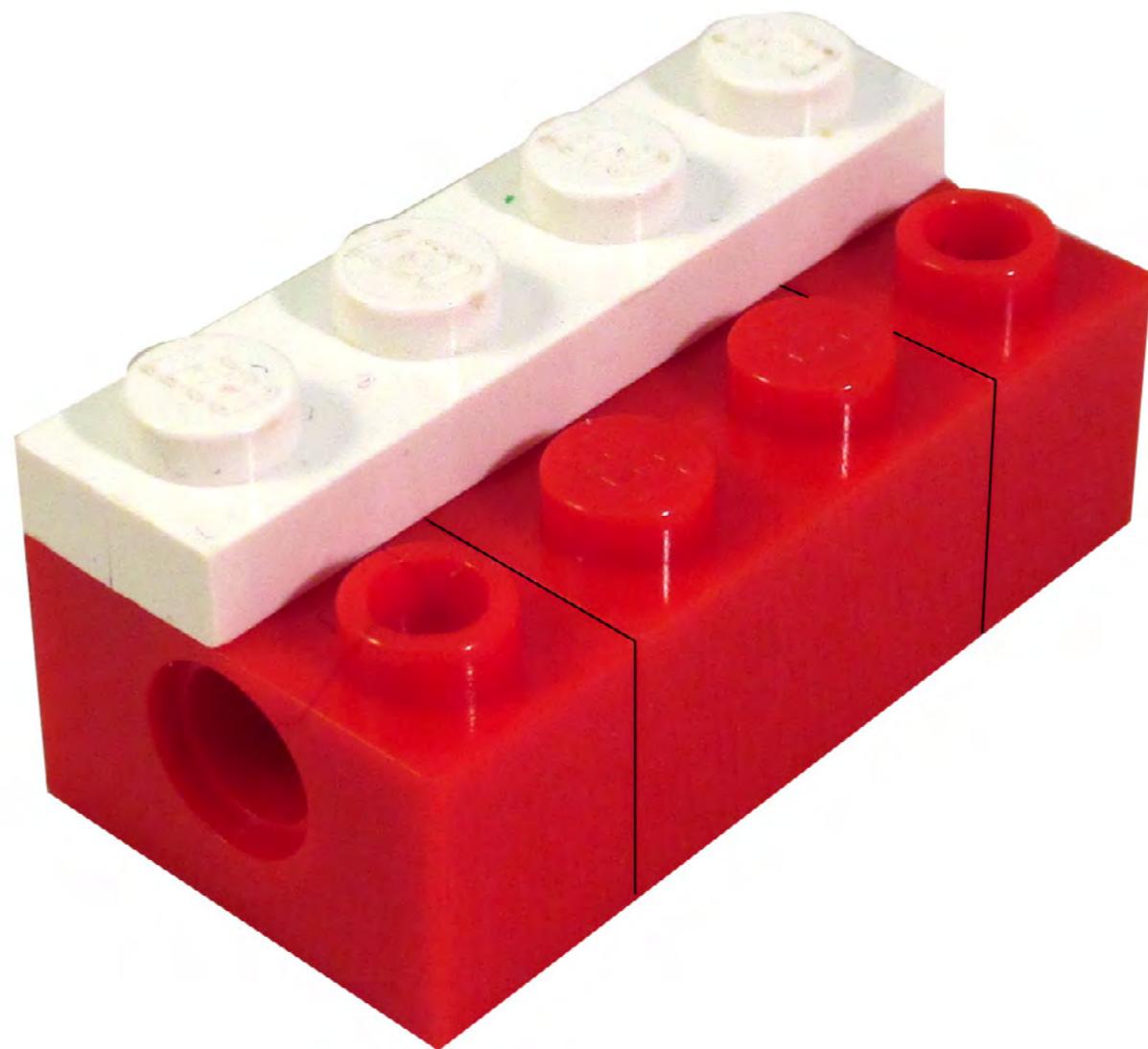
Red 2x2
Brick



Red 1x2
with Hole



Red 1x2
with Hole



Step 14

You will Need:



White 1x4
Plate



Red Turn
Table



Step 15

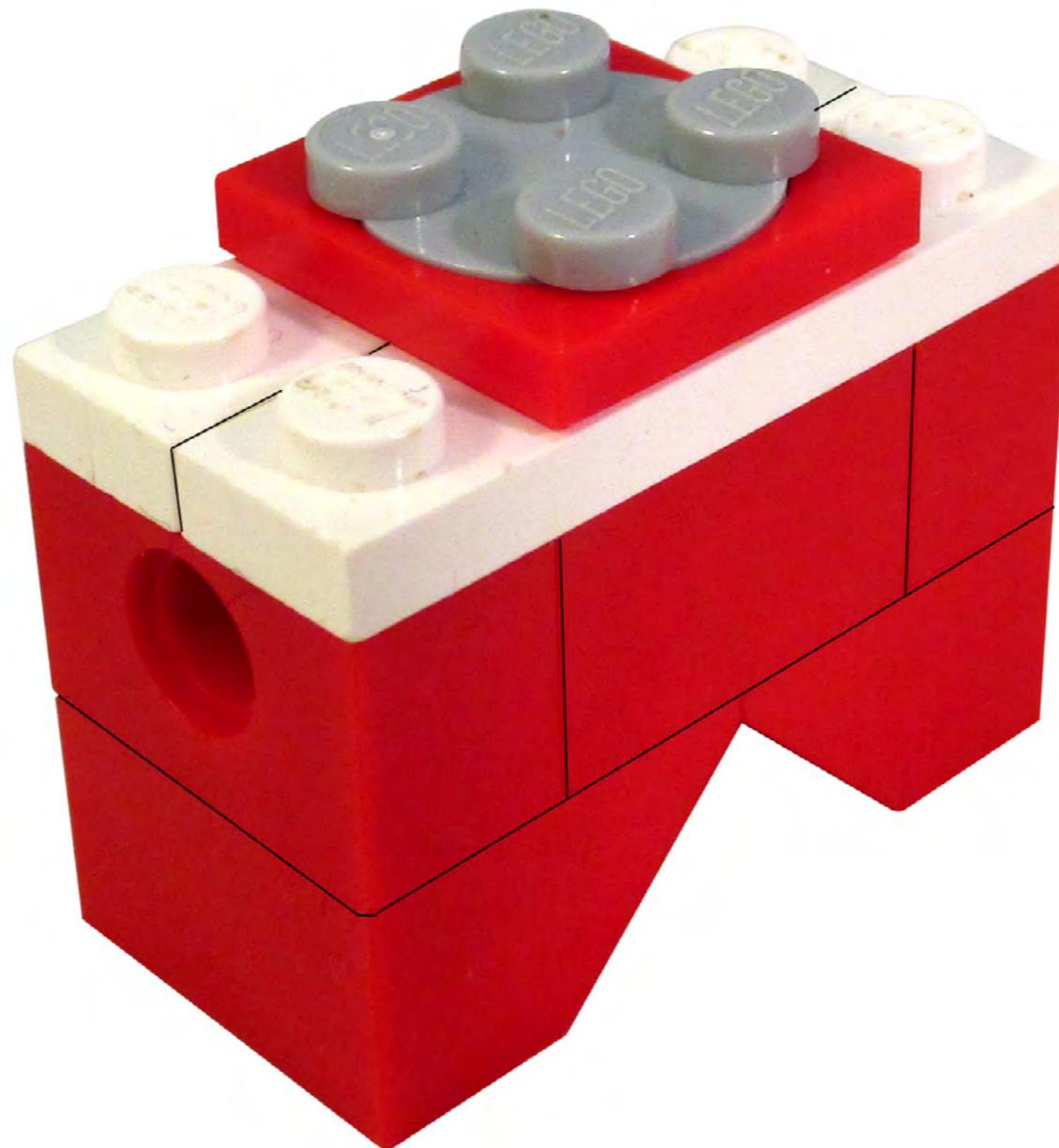
You will Need:



Red 2x2
Inverted
Wedge



Red 2x2
Inverted
Wedge



Step 16

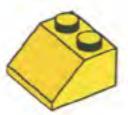
You will Need:



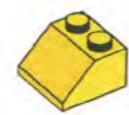
Red 1x2
with Hole



Red 1x2
with Hole



Yellow 2x2
Wedge



Yellow 2x2
Wedge



Step 17

You will Need:



Green Round
Brick

Red Disk
Brick



Step 18



Attach the assemblies!

Step 19

You will Need:



Red 1x6 with
Holes



Red T-Plate



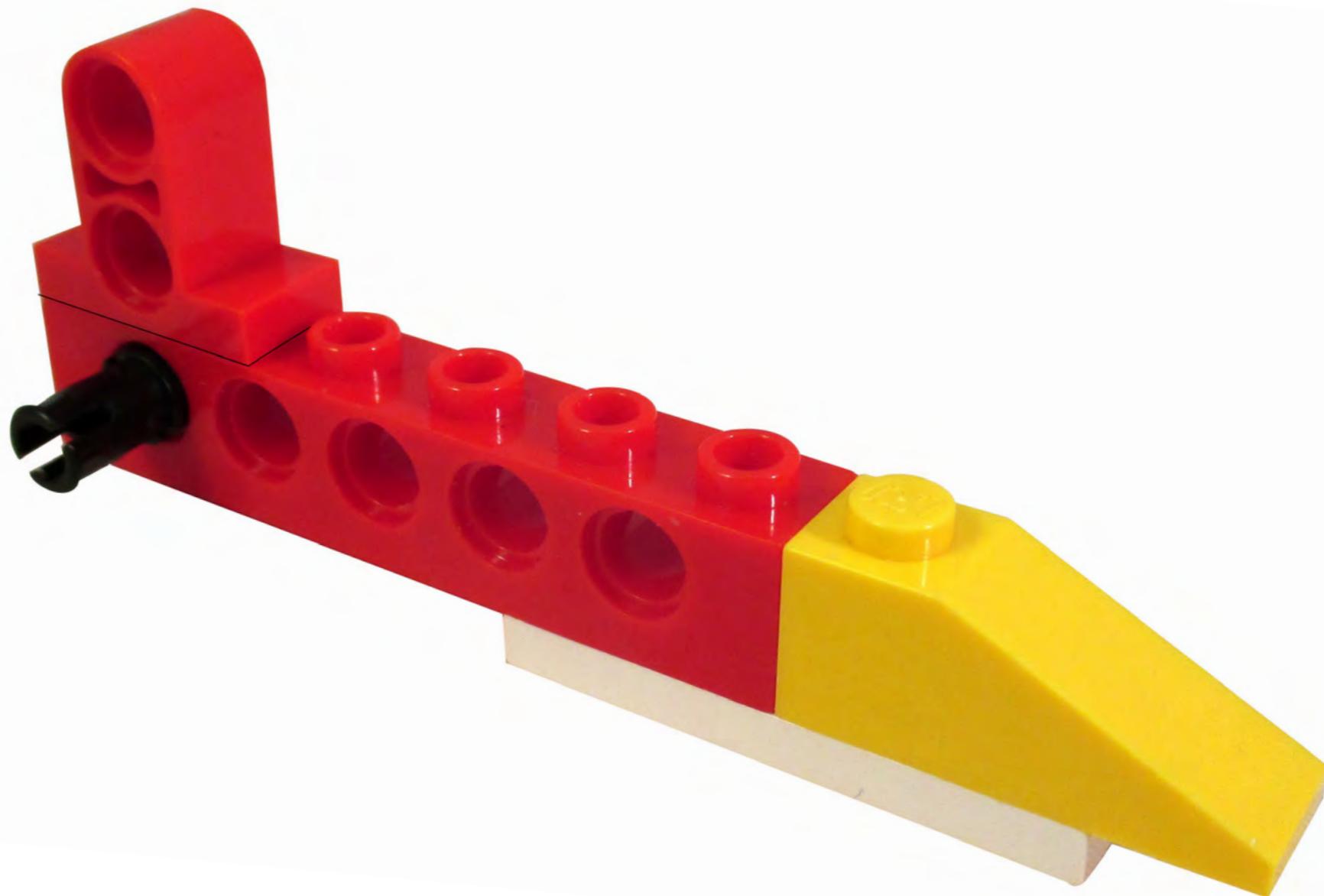
White 1x4
Plate



Yellow 1x3
Wedge

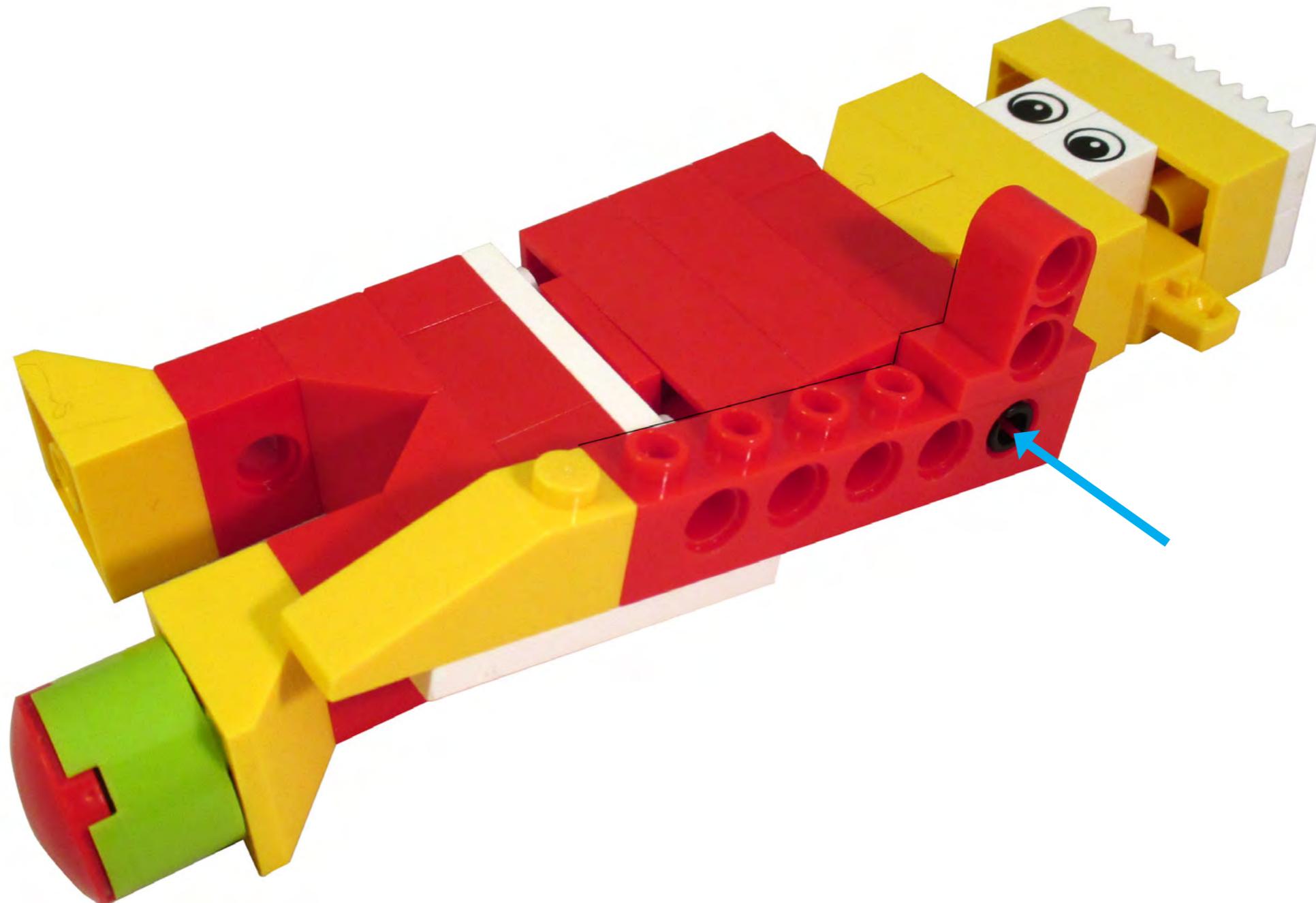


Black Pin



Step 20

👉 Attach!



Step 21

You will Need:



Grey Brick
with Pin



Red T-Plate



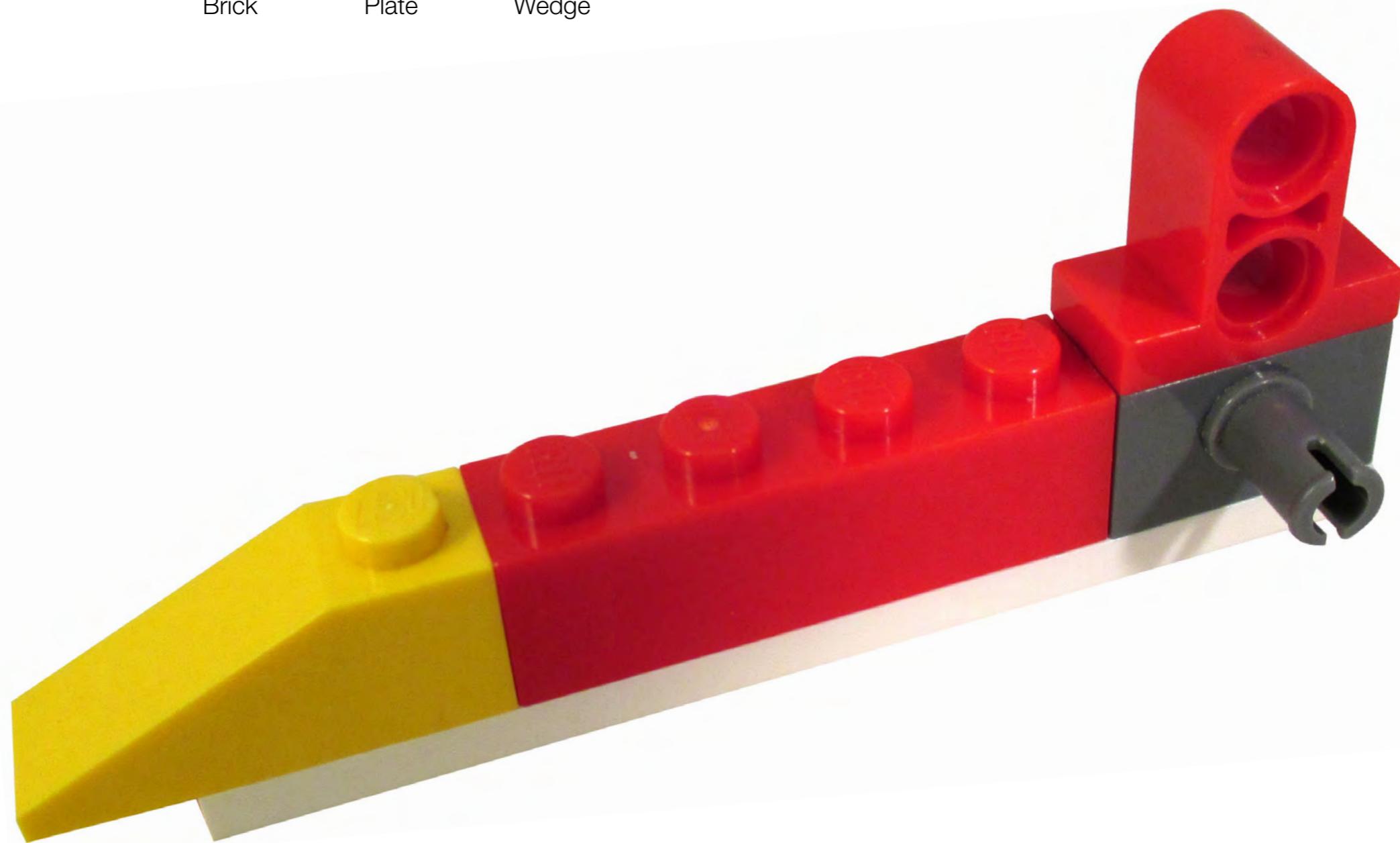
Red 1x4
Brick



White 1x8
Plate

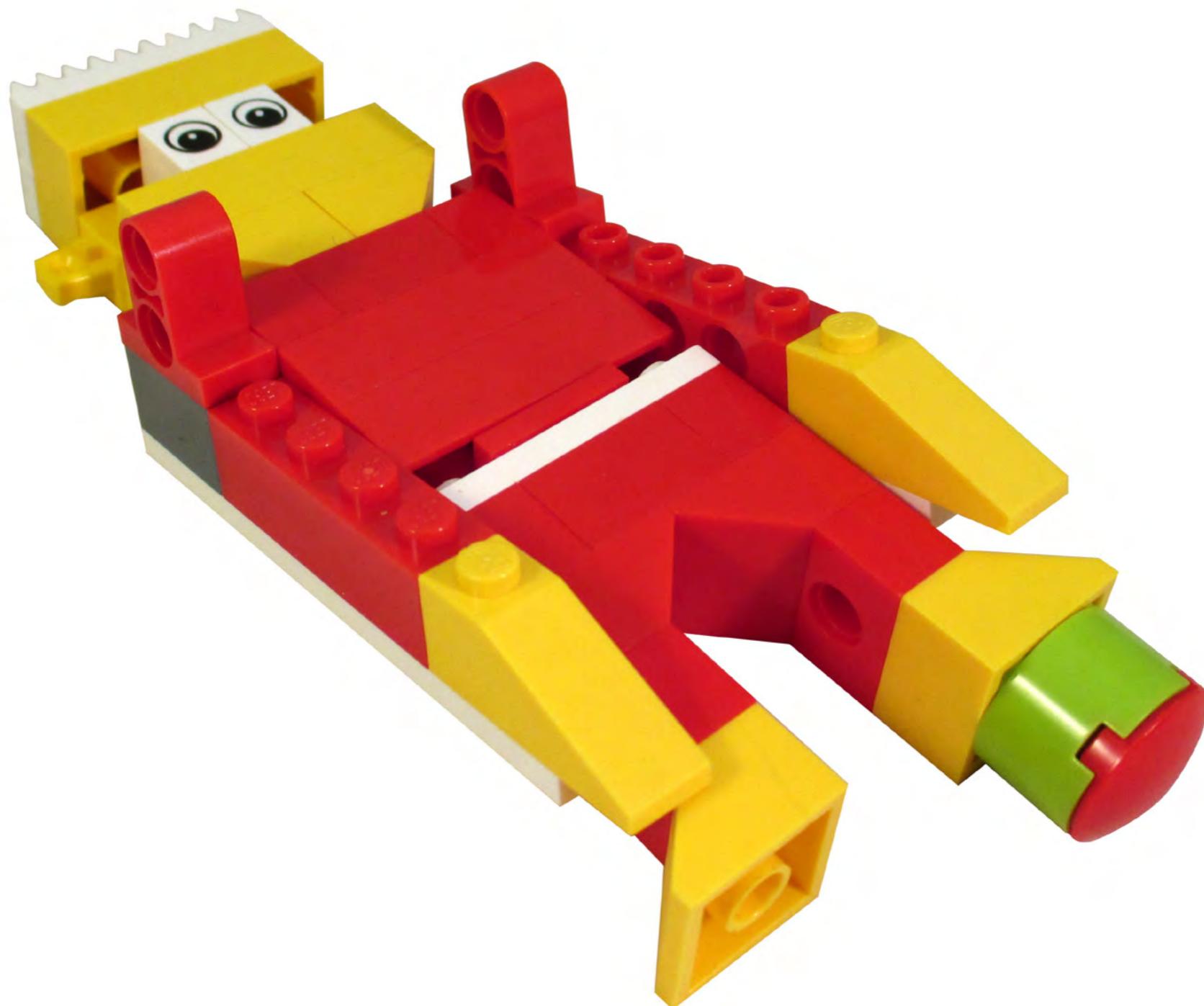


Yellow 1x3
Wedge



Step 22

👉 Attach!



Step 23

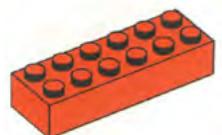


Attach the assembly to the Green Round Brick!

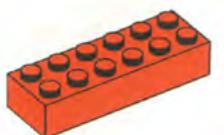


Step 24

You will Need:



Red 2x6
Brick



Red 2x6
Brick



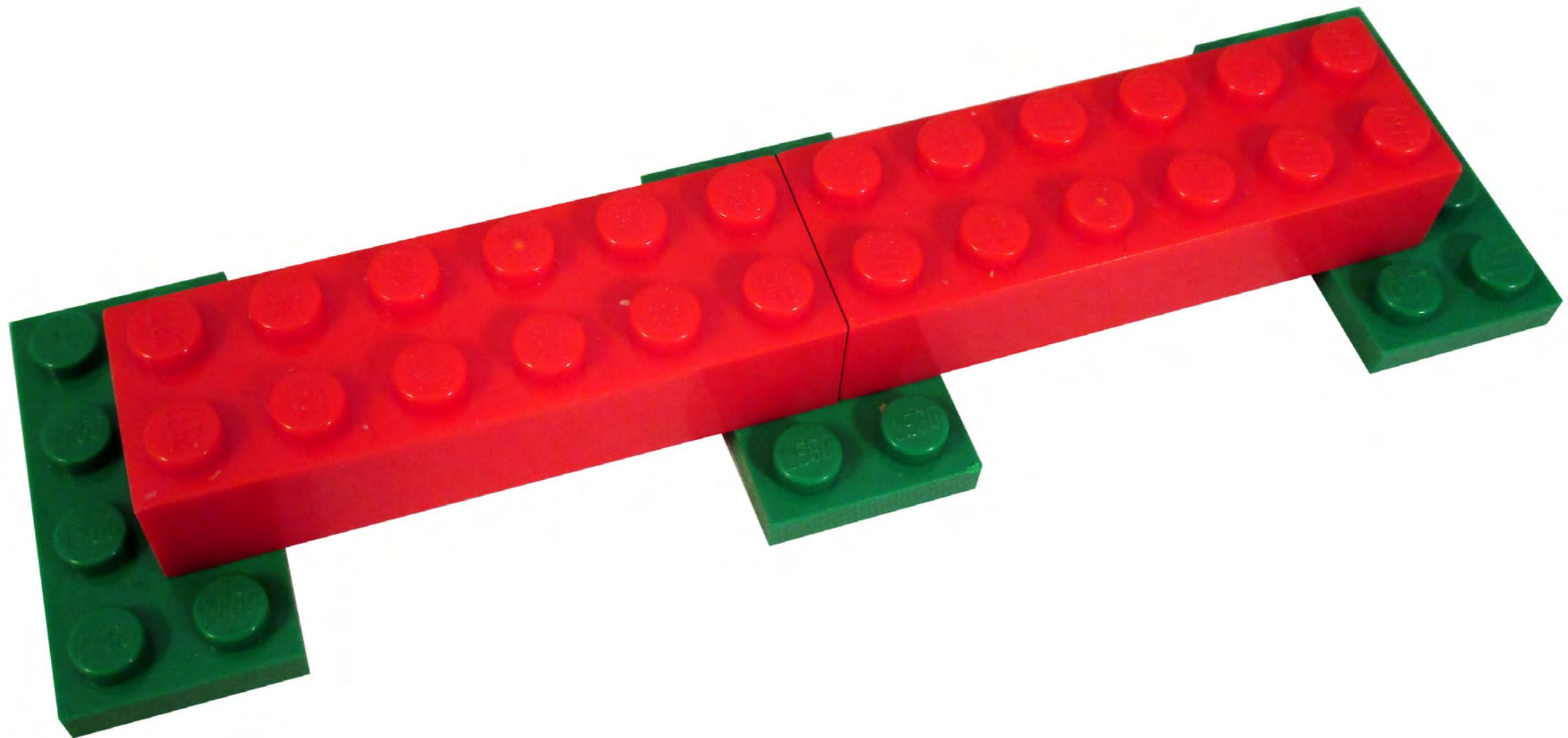
Green 2x4
Plate



Green 2x4
Plate



Green 2x4
Plate



Step 25

You will Need:



Red 2x2
Wedge



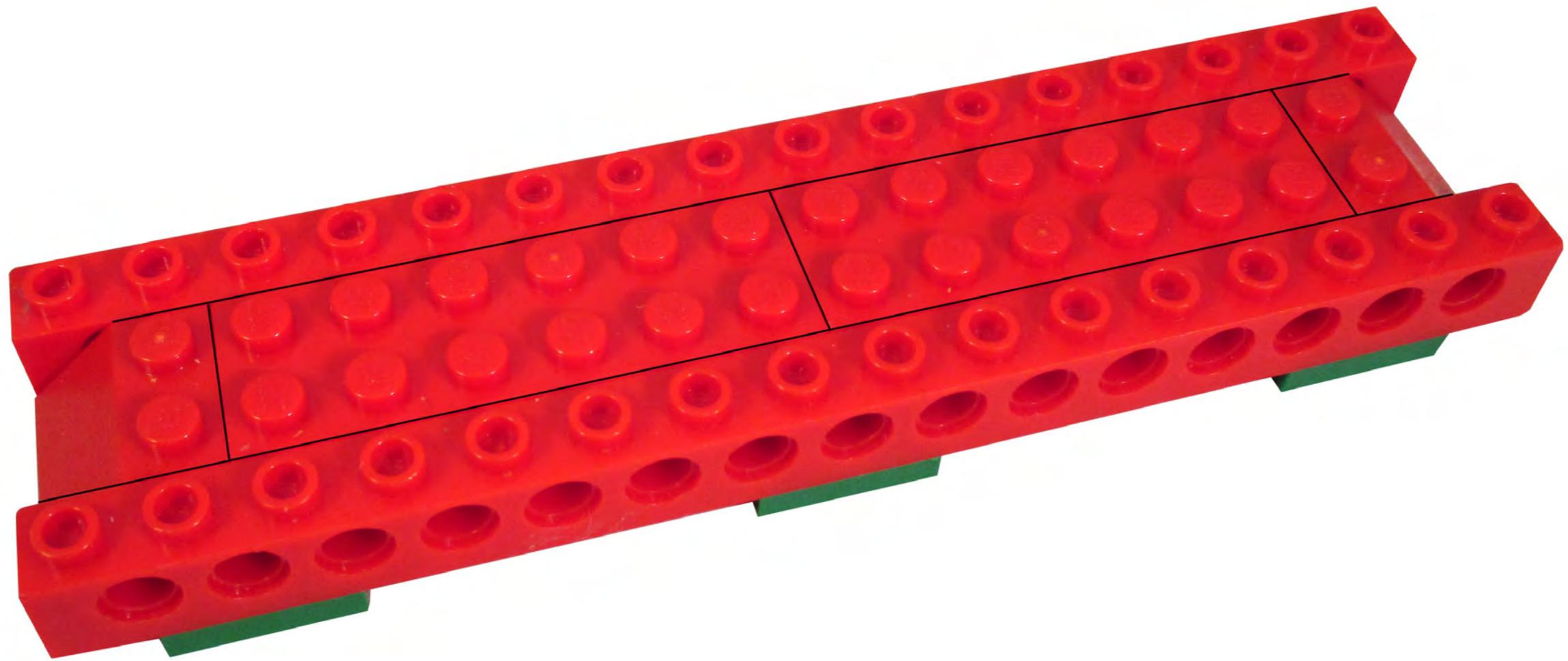
Red 2x2
Wedge



Red 1x16
with Holes



Red 1x16
with Holes



Step 26

You will Need:



Grey 1x2
with Pin



Grey 1x2
with Pin



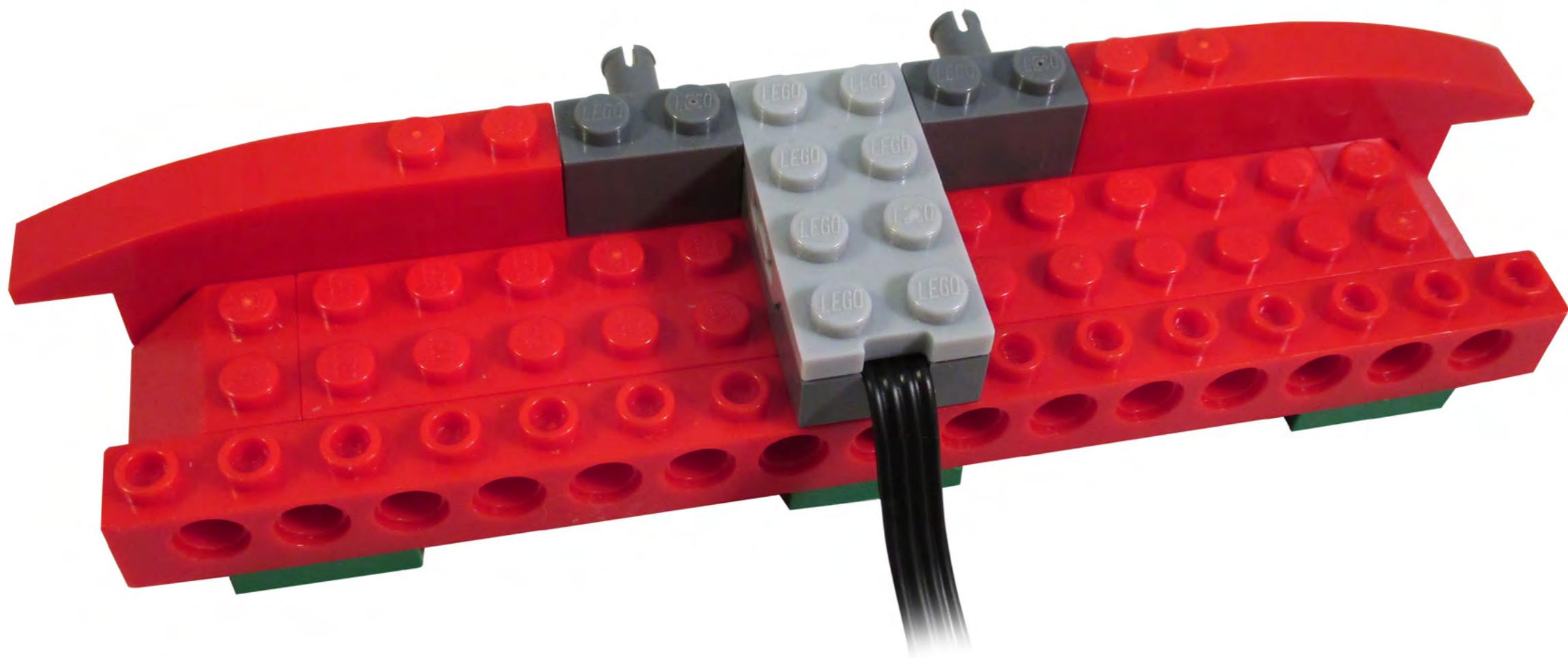
Red Bow



Red Bow



Tilt Sensor



Plug the Tilt Sensor into the Hub!

Step 27

You will Need:



Green Flat
Tile

Green Round
Brick

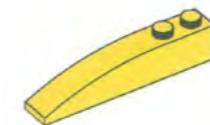
Green Round
Brick



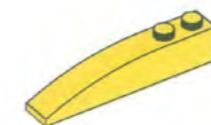
Eye



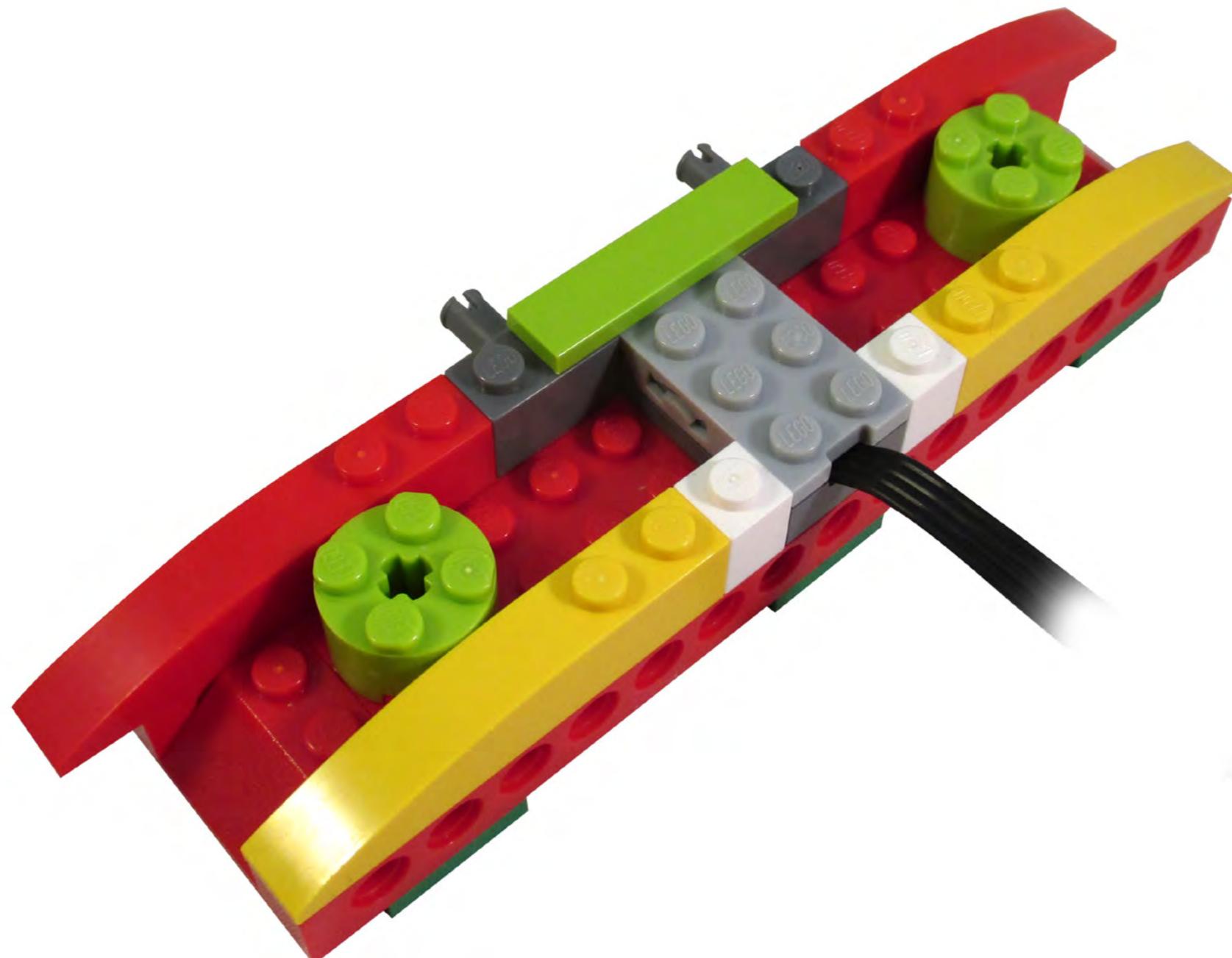
Eye



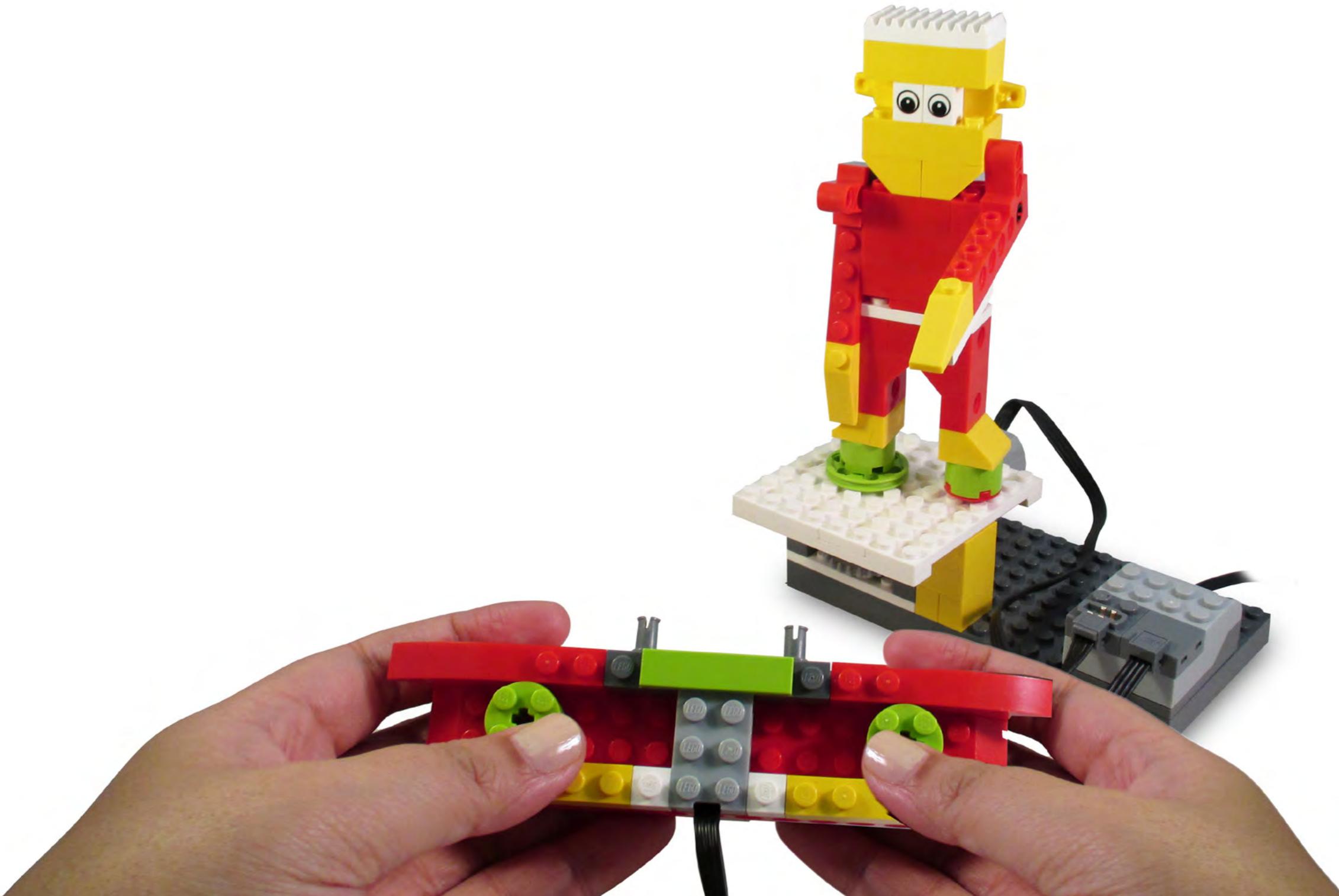
Yellow Bow



Yellow Bow



Just Dance is Built!... Time to Program it!

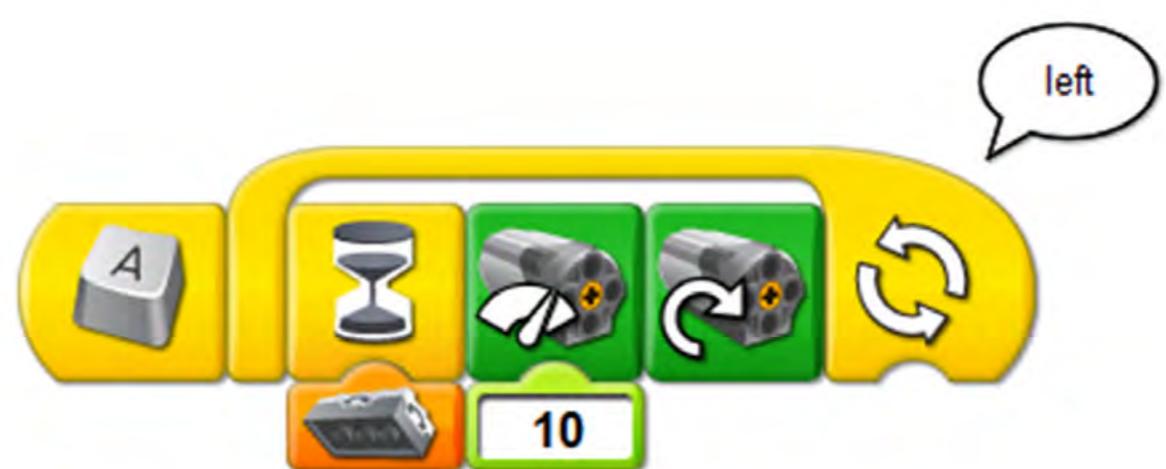


Programming

These programs change the Motor direction depending on which way the Tilt Sensor is tilted.



Start on Key
Wait For Tilt Sensor
Motor Power
Motor That Way
Repeat

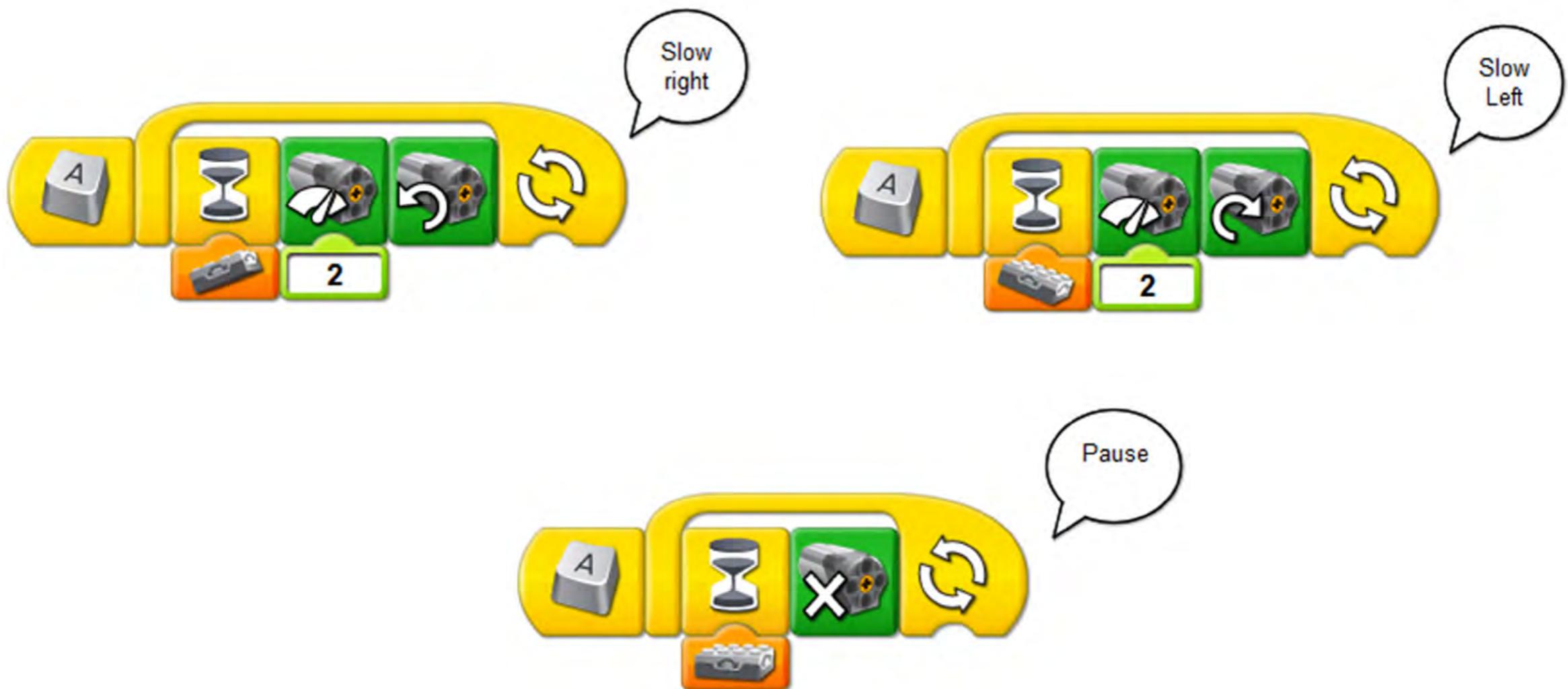


Start on Key
Wait For Tilt Sensor
Motor Power
Motor This Way
Repeat

1. Minimize these instructions and open the LEGO® WeDo® software.
2. Program your robot with the program above.
3. If you finish, open the instructions and continue to the extension activities!

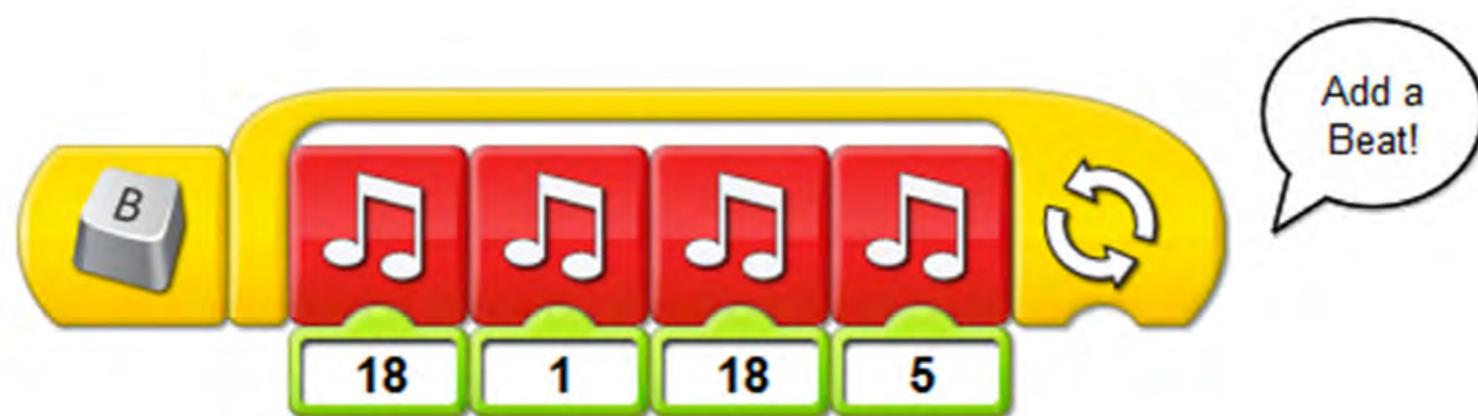
Extension 1

Add additional Tilt sensor programs.



Extension 2

This program adds a beat for you to play to.



Extension 3

This program displays dance instructions on the screen
For you to follow.

