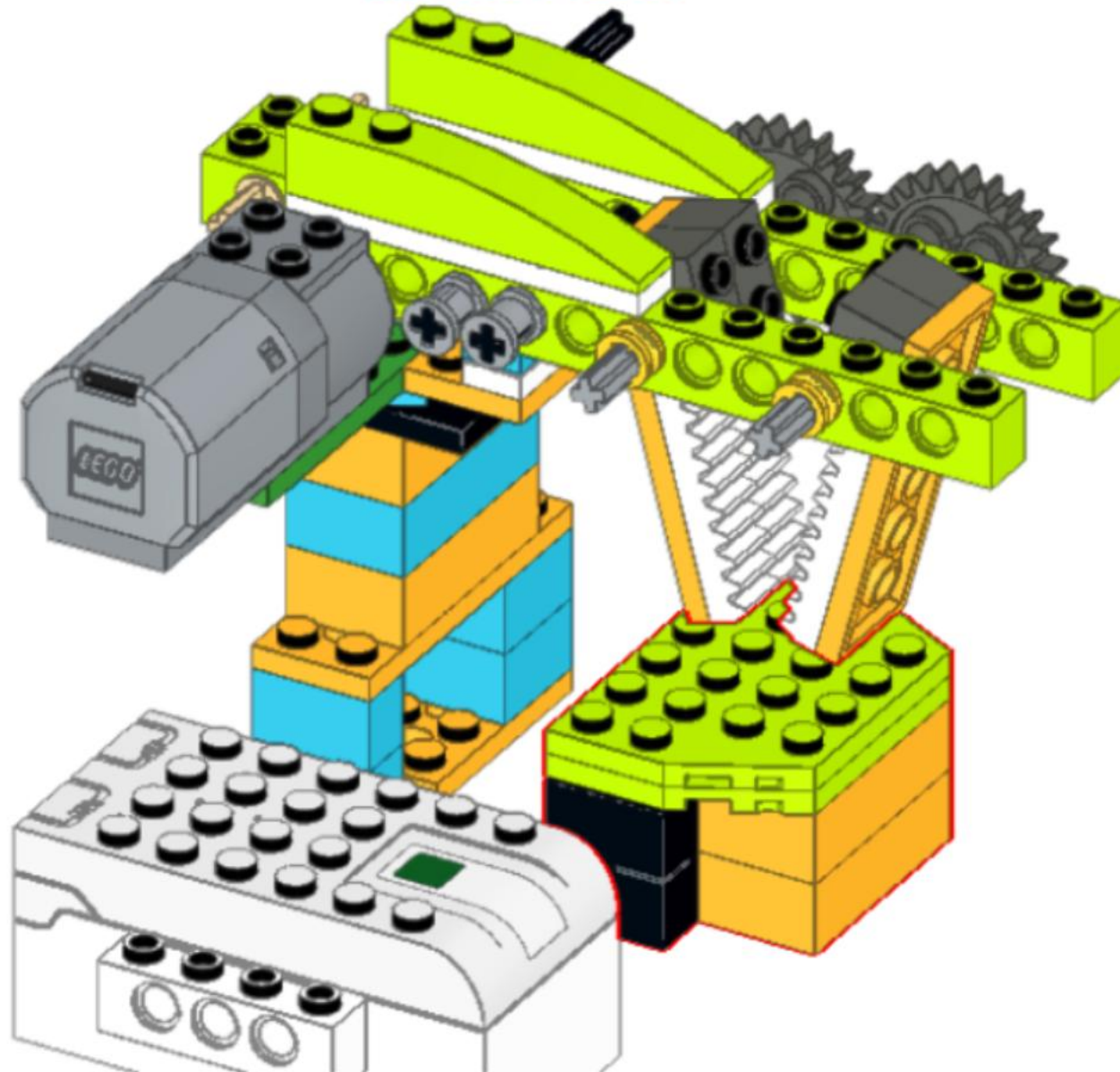# INSTRUCTIONS
ROBOTIC ARM WITH LEGO WEDO 2.0 +
MICRO:BIT
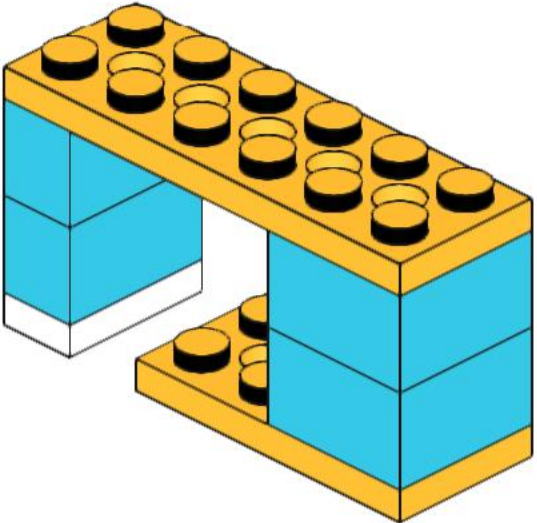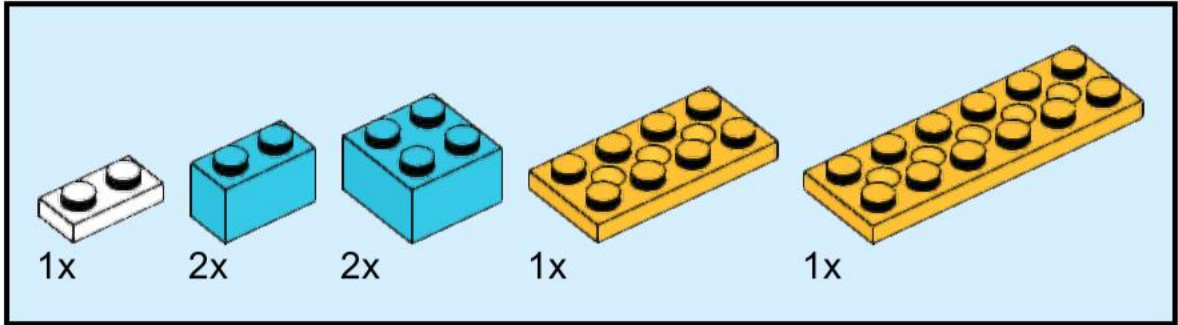
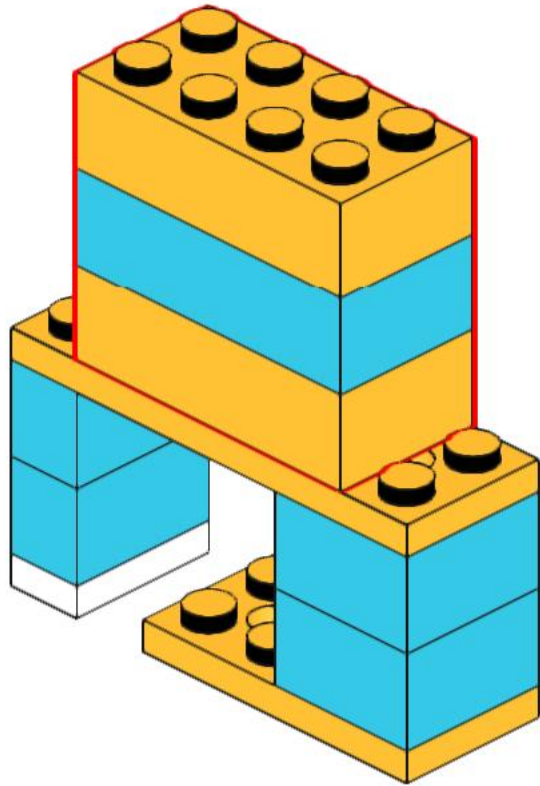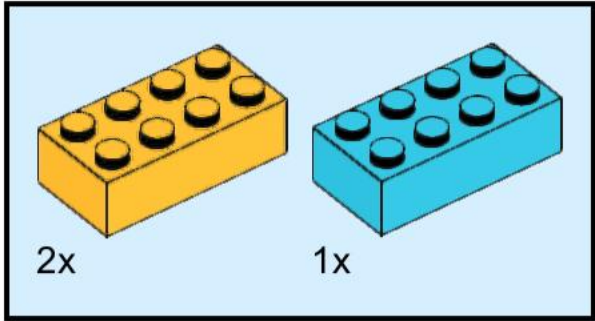**V 1.0**

Any doubt contact us:

1

1x 2x 2x 1x 1x

2

2x 1x

3

1x   1x

4

1x 1x

5

2x 4x 1x

6

2x

7

2x

8

1x   1x   1x   2x
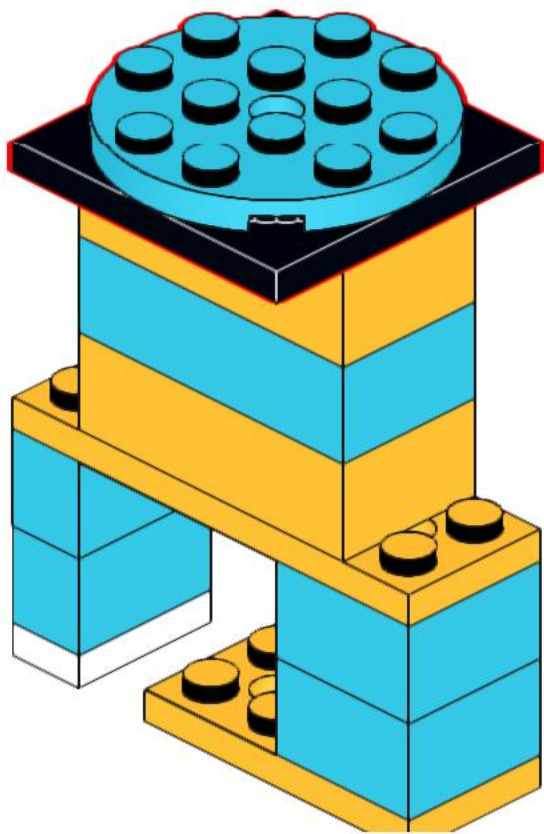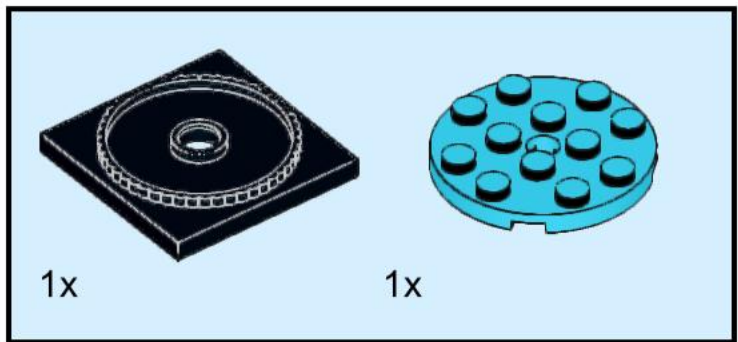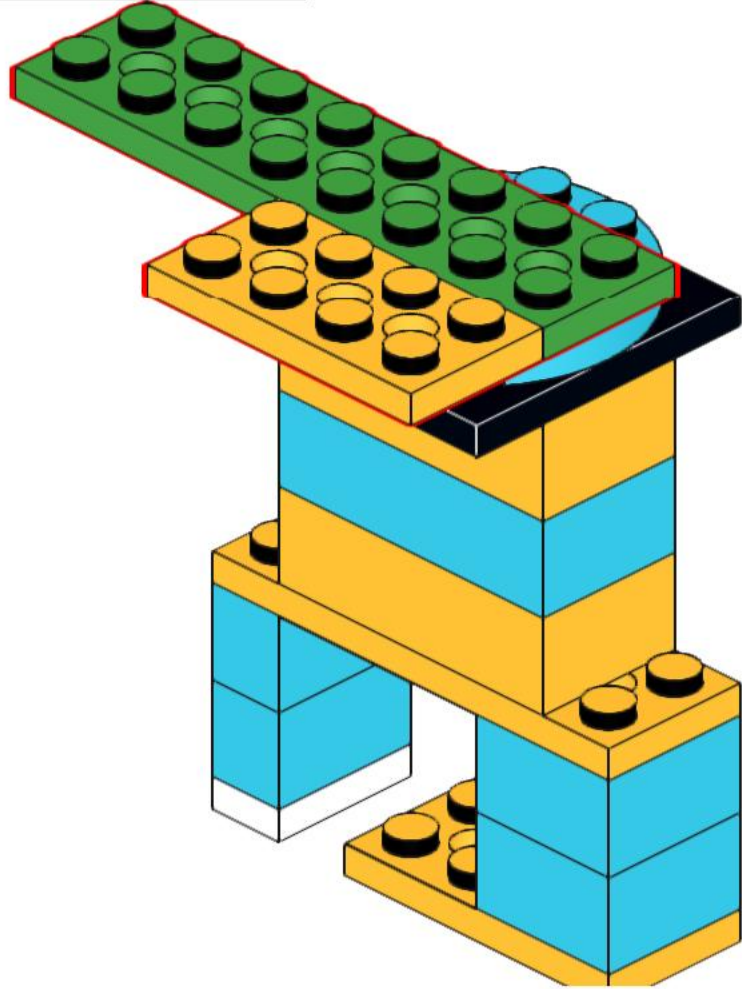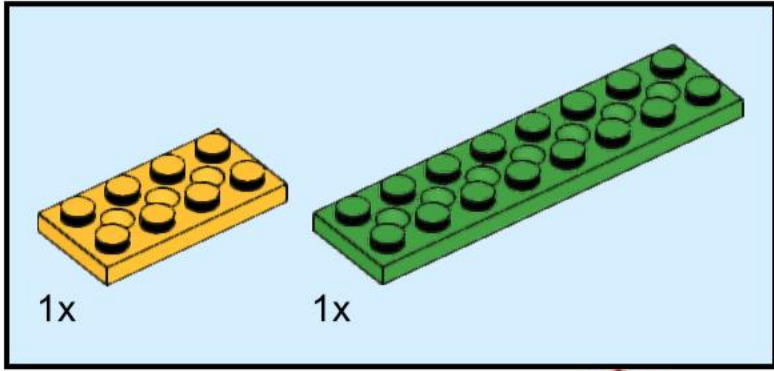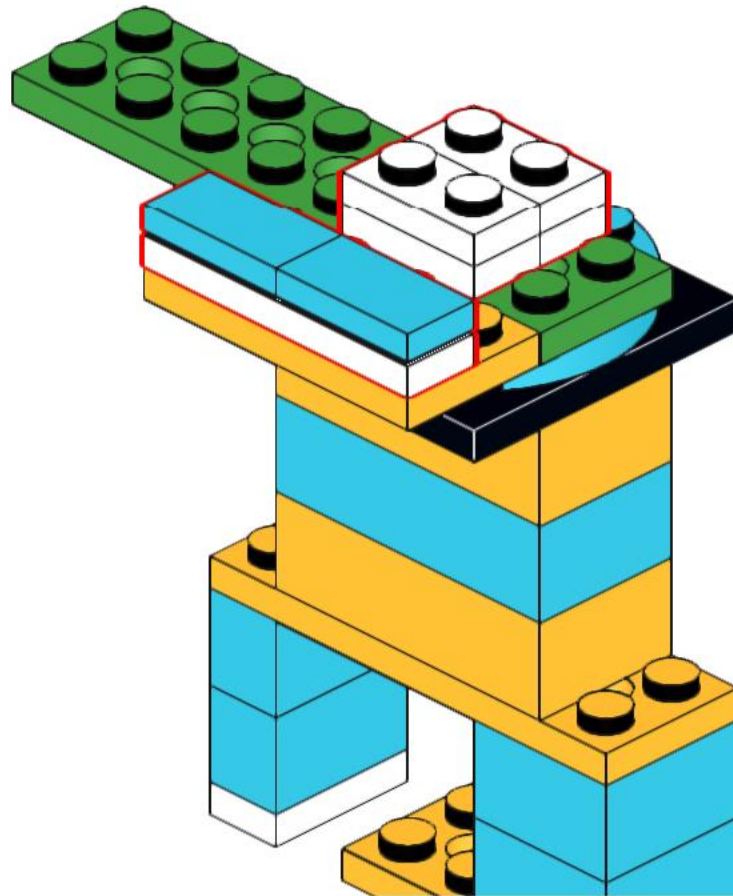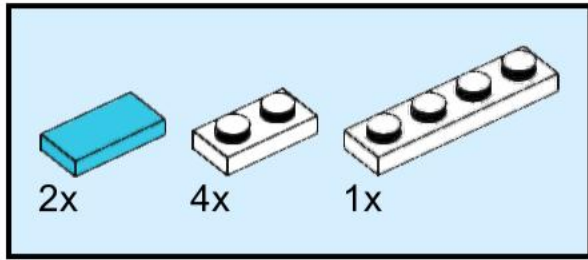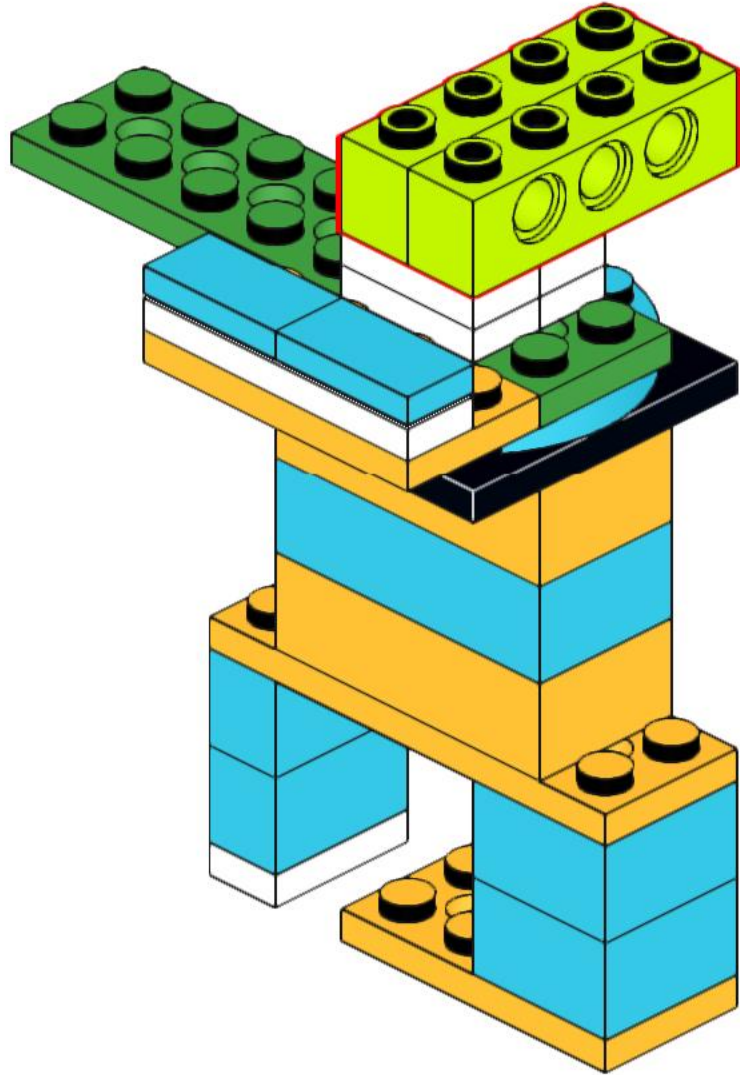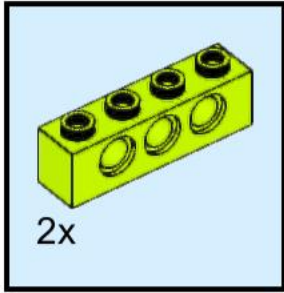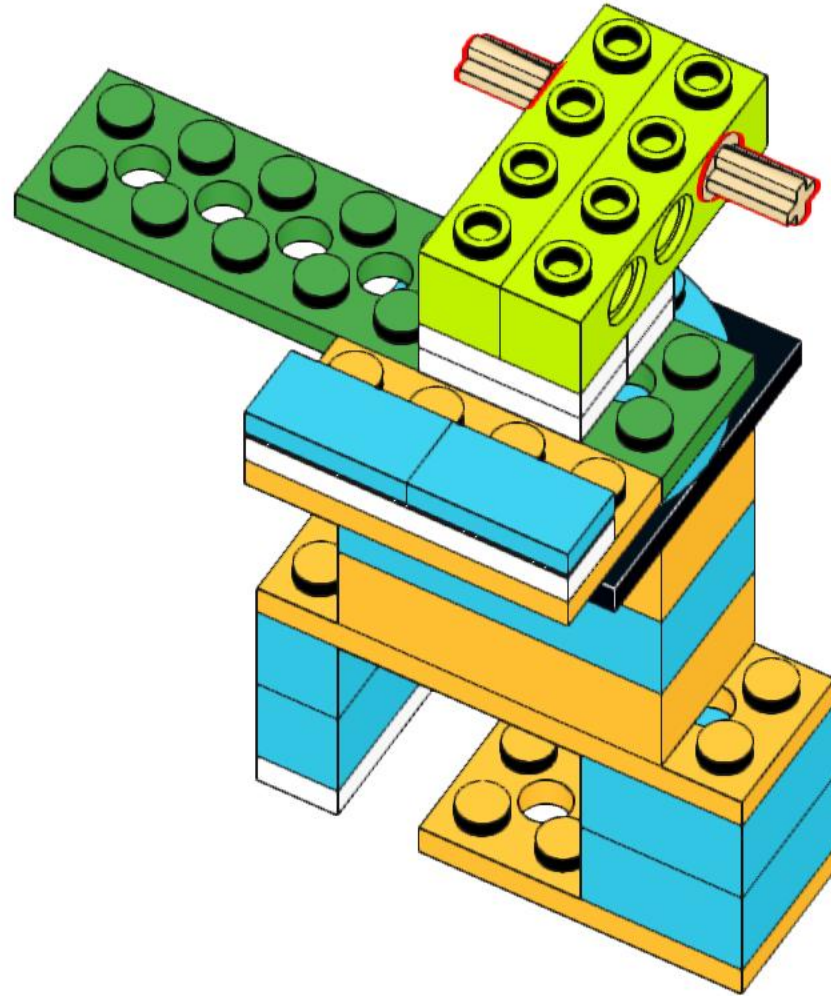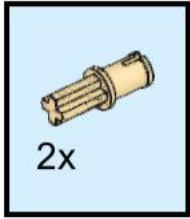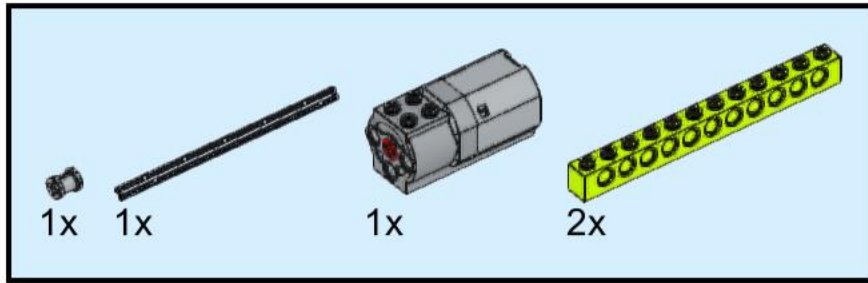
Insert the axle in the first pivot.

9

2x   2x

10

1x 2x

11

2x 2x 2x

12

2x 2x 1x

13

1x

14

1x 1x

15

2x 2x 1x

16

1x

17

1x   1x
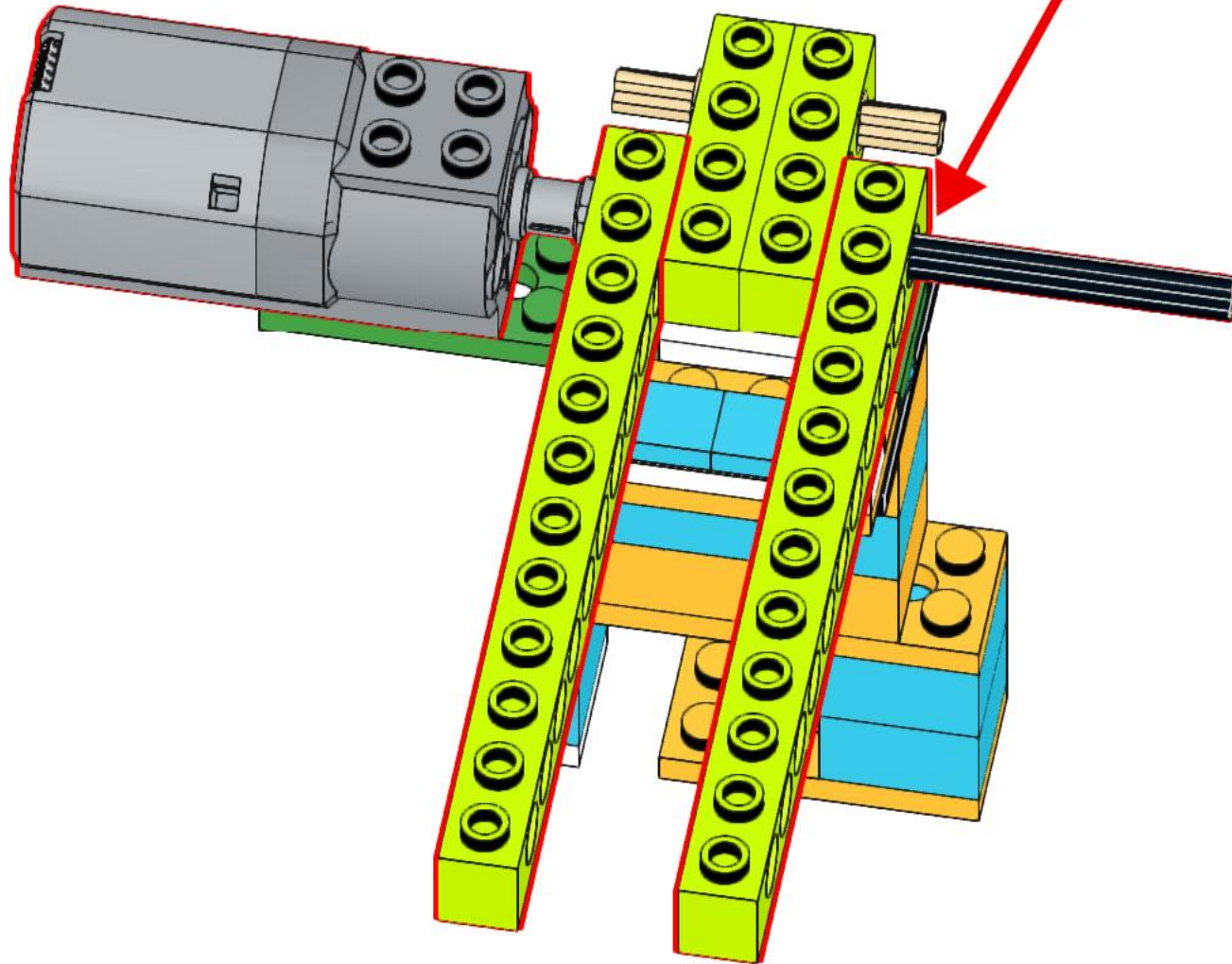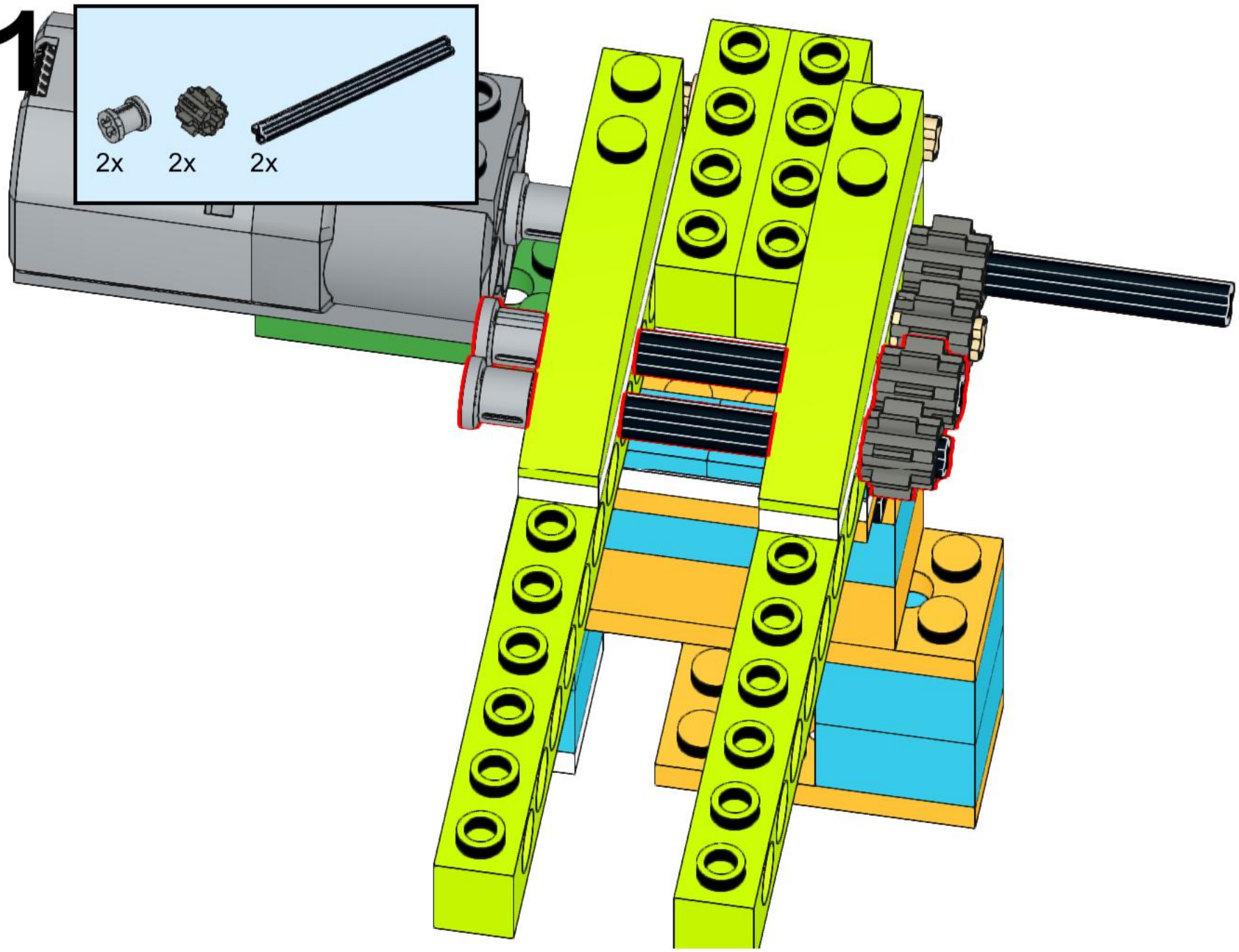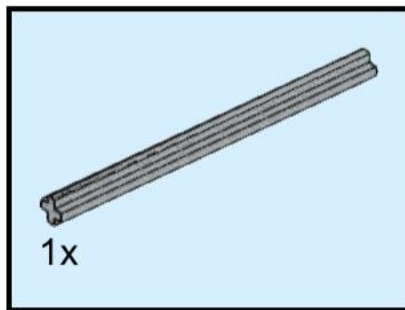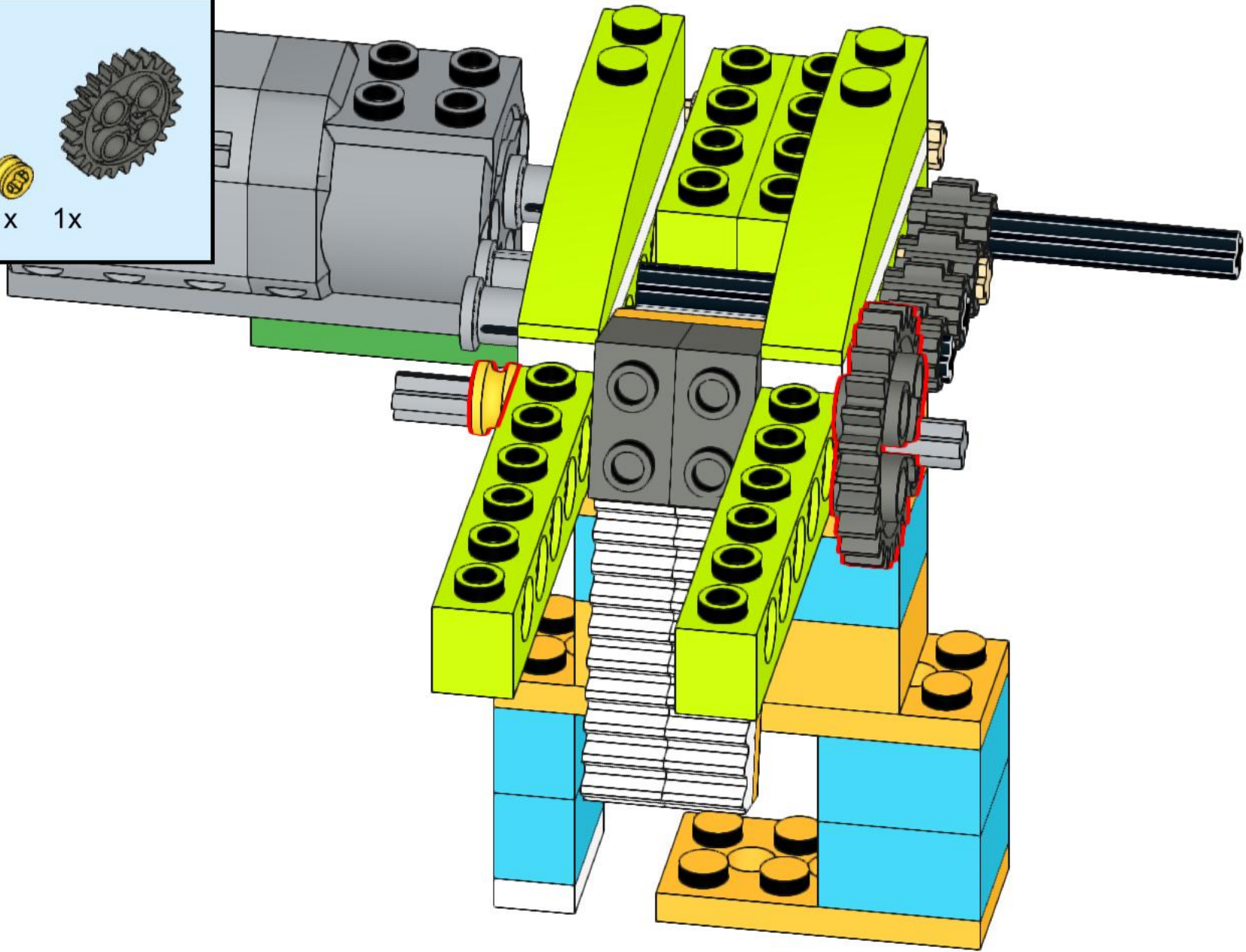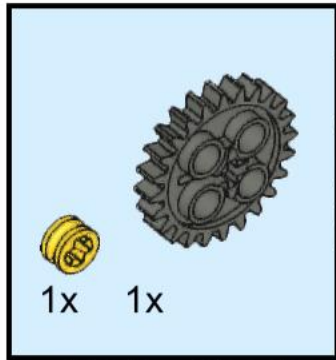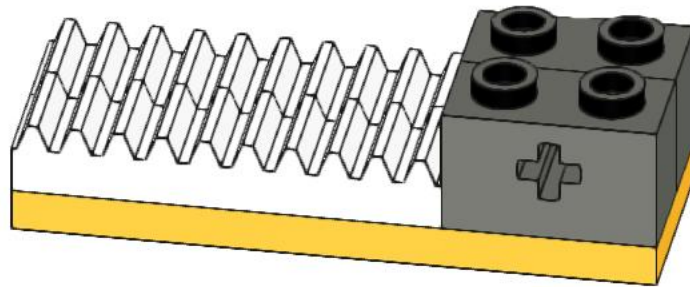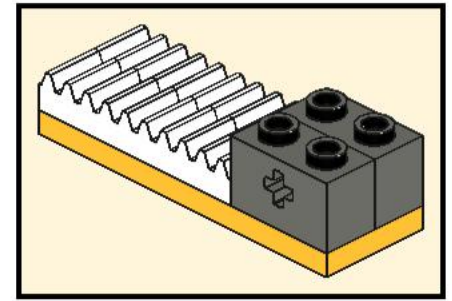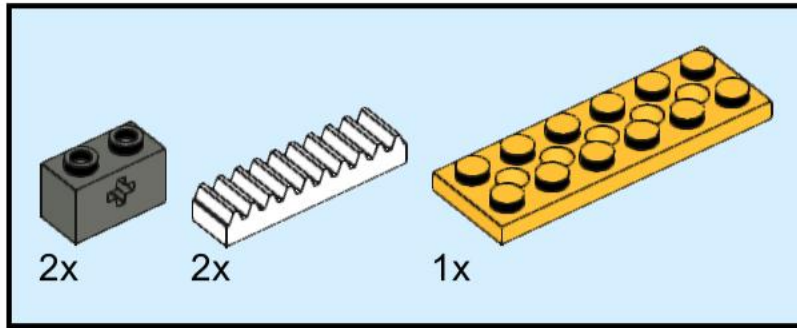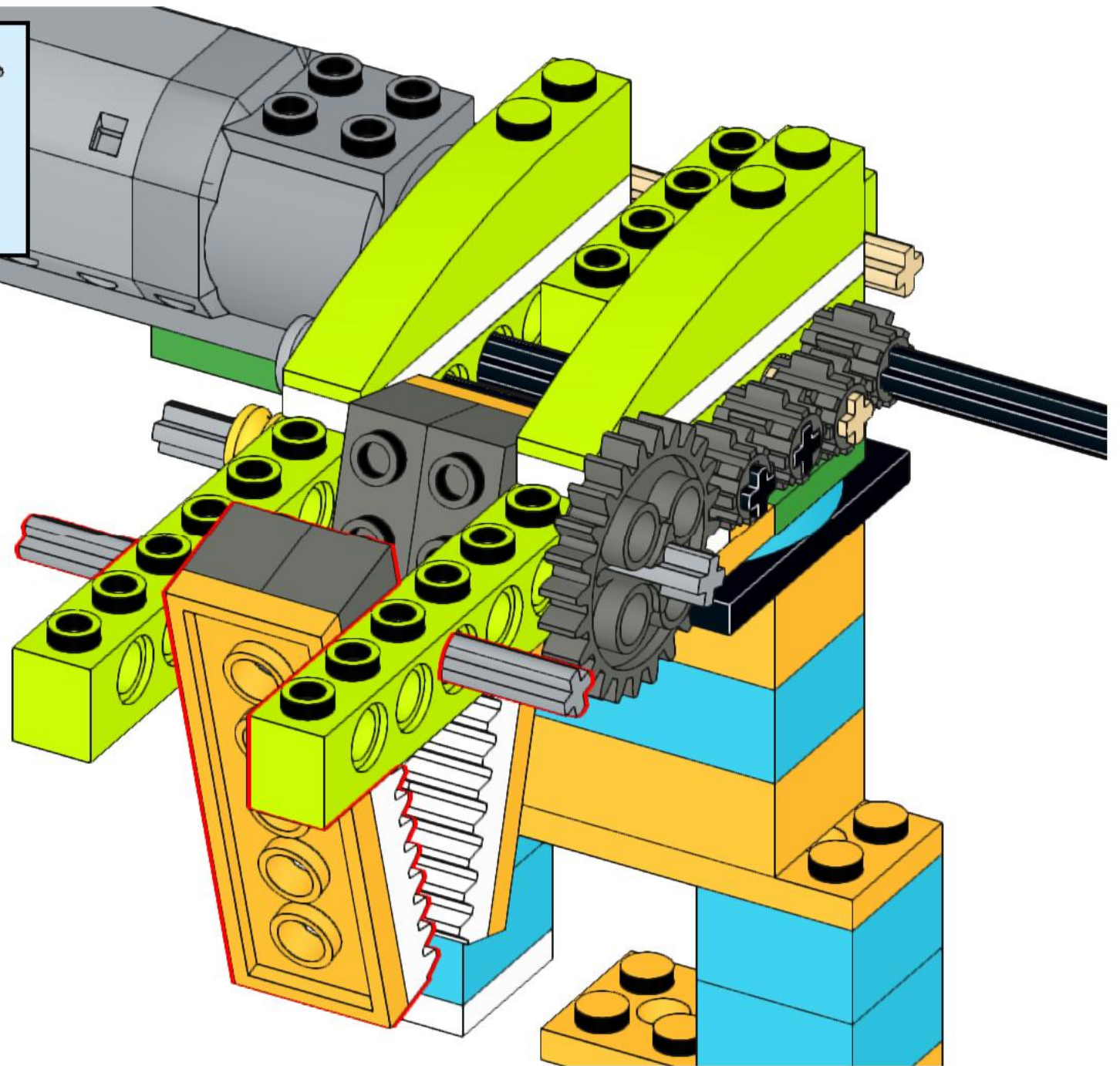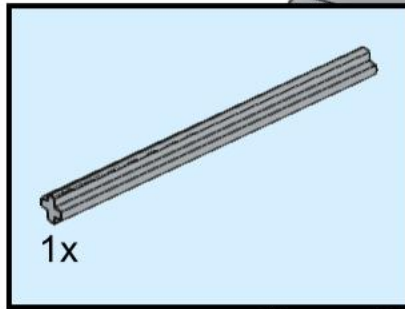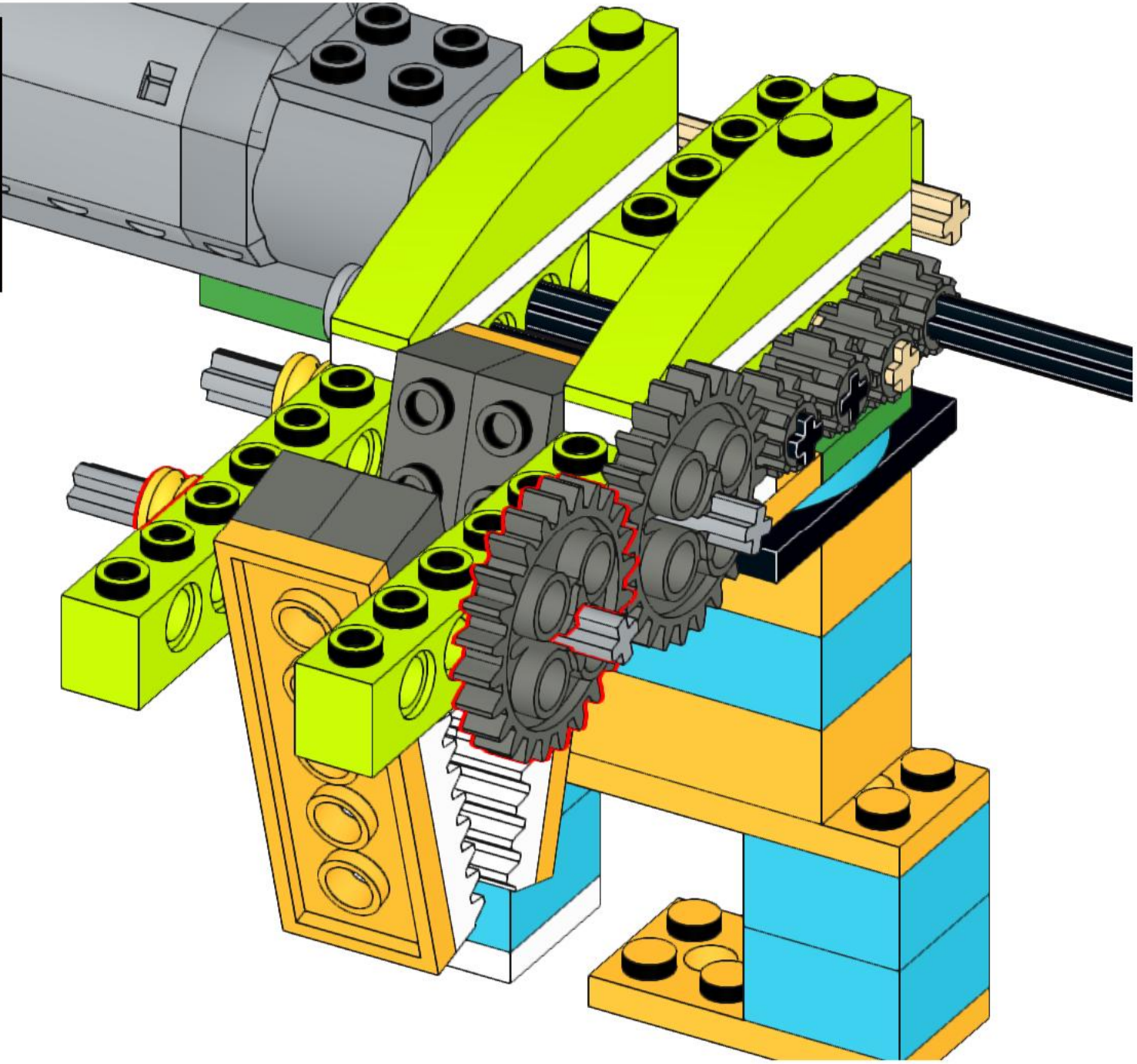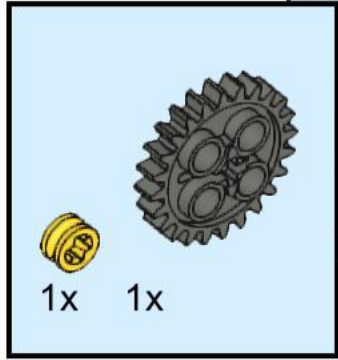
18
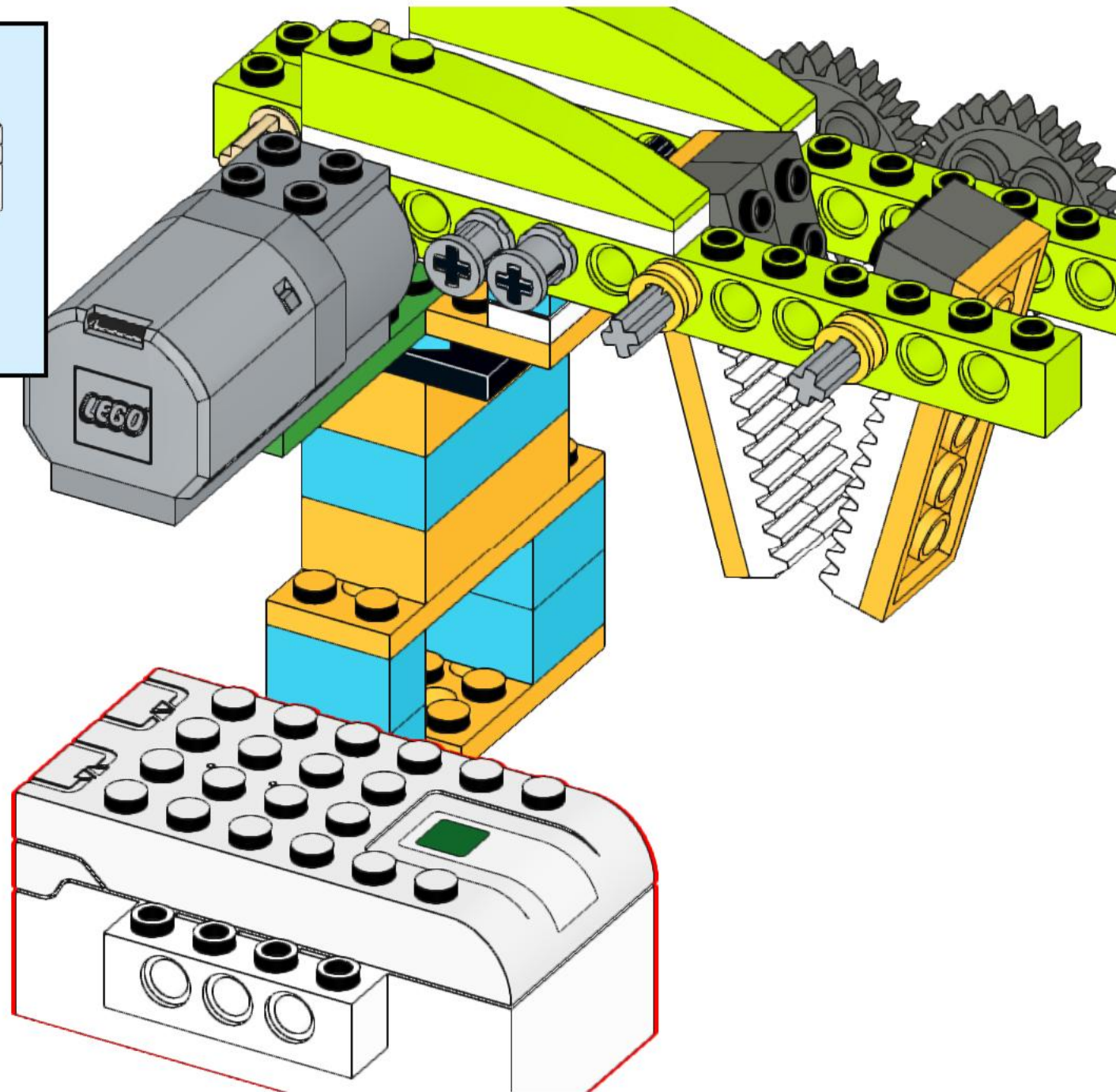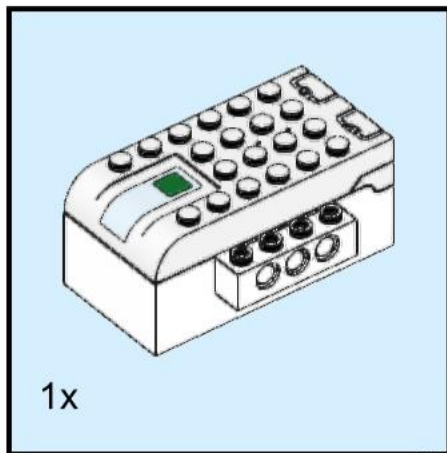
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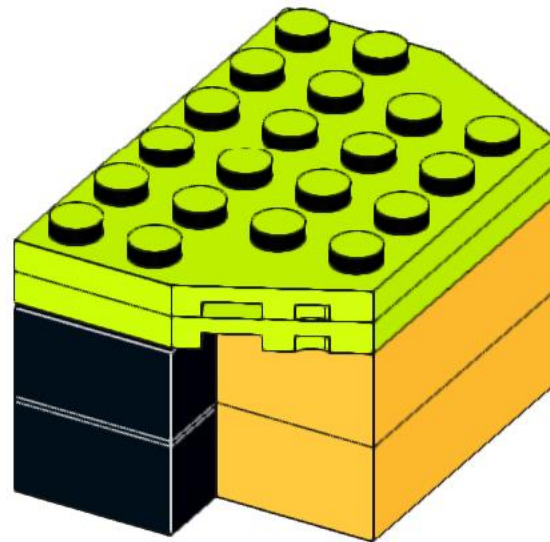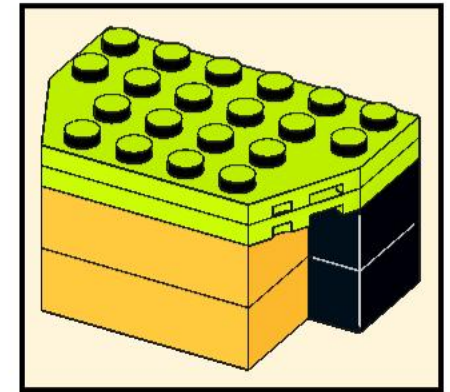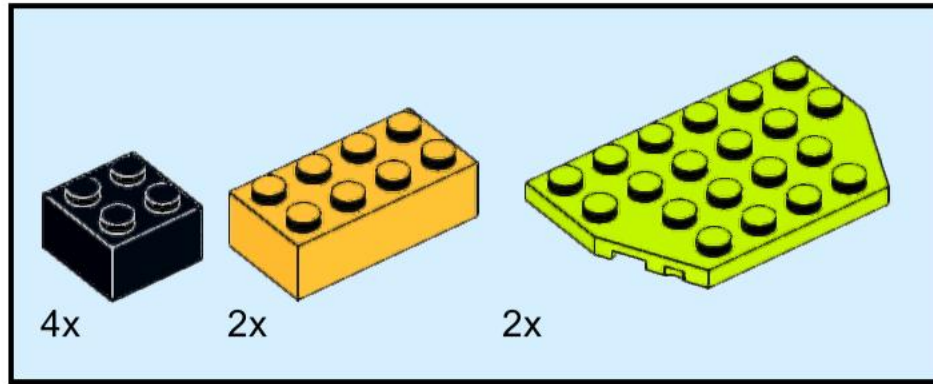
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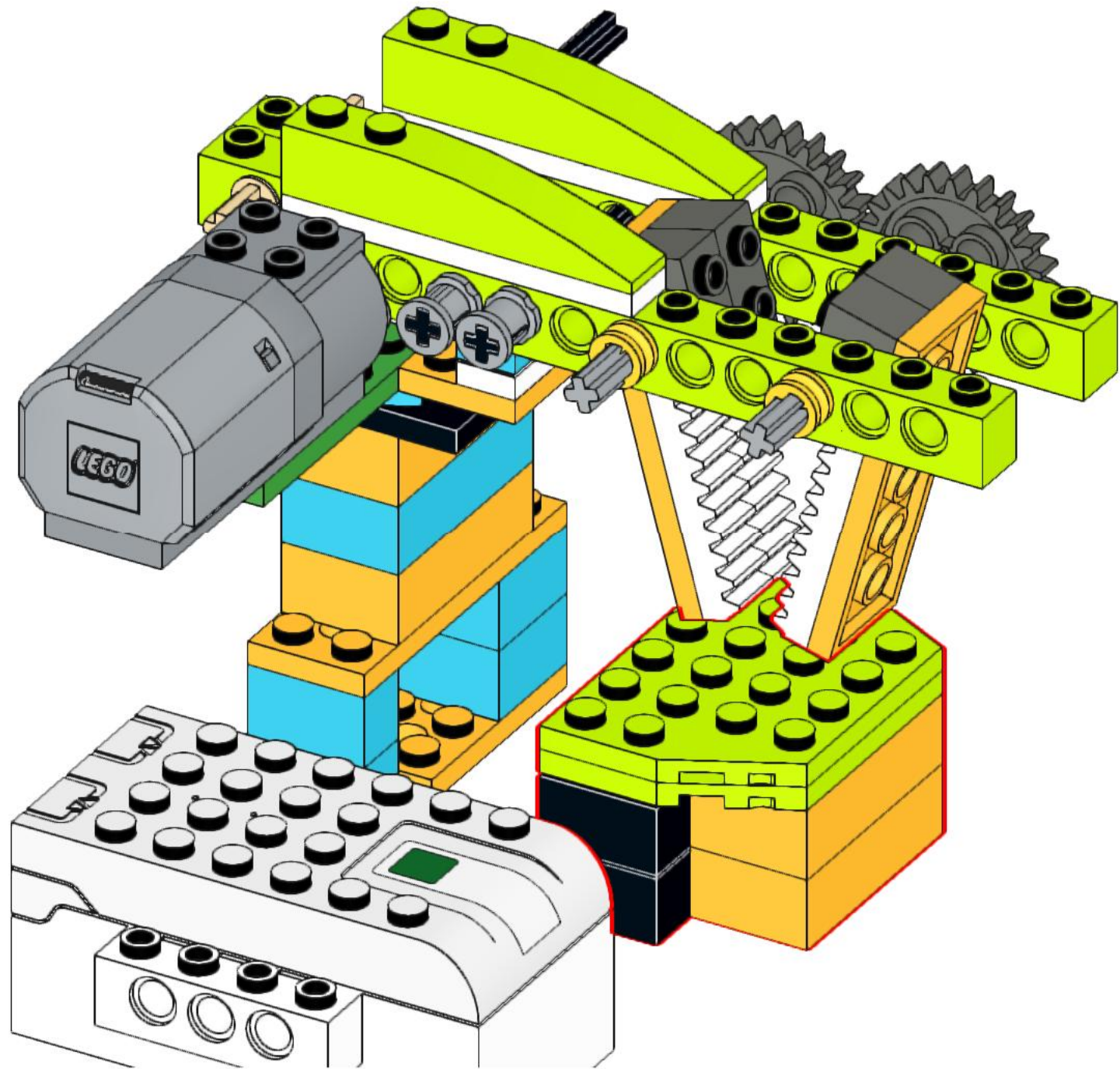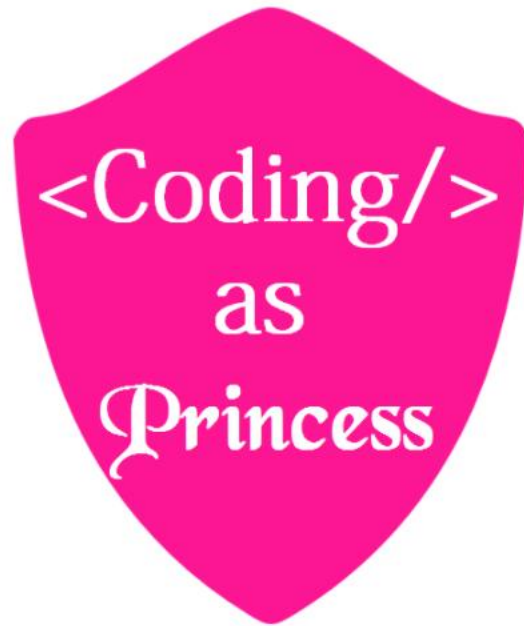
LETS CODE USING LEGO WEDO 2.0 APP

This should raise the arm.
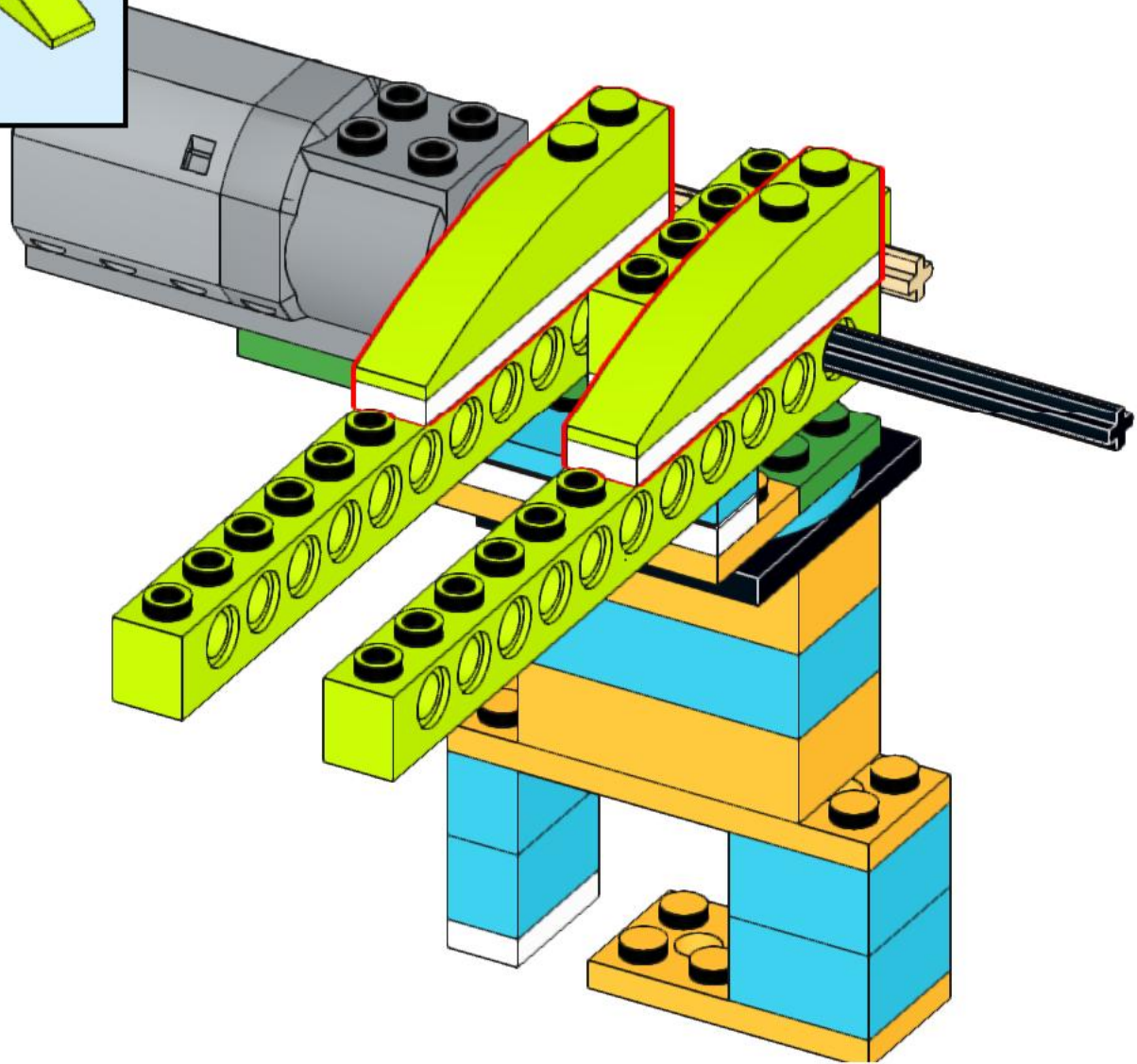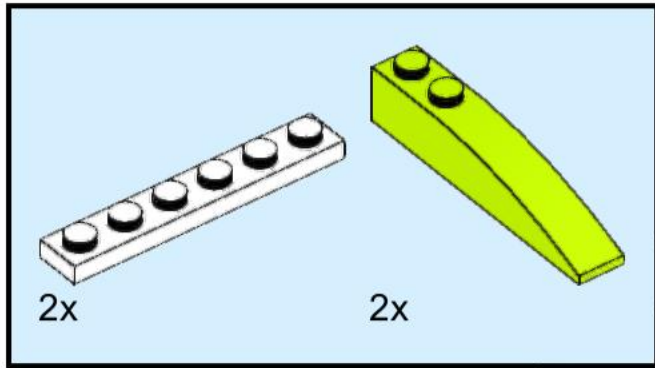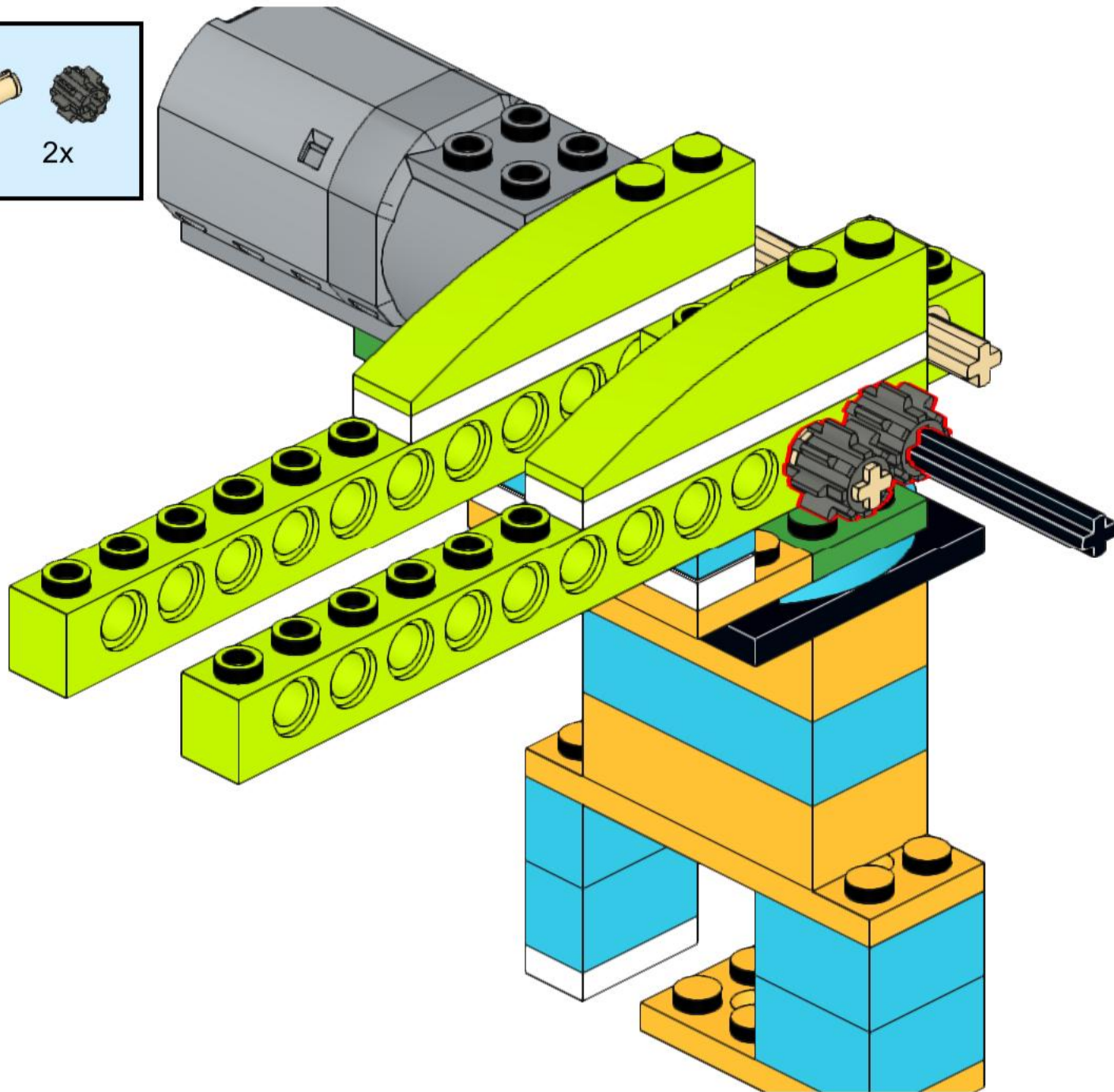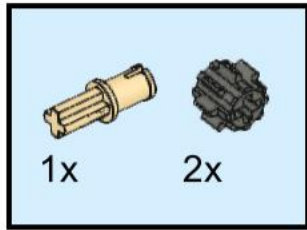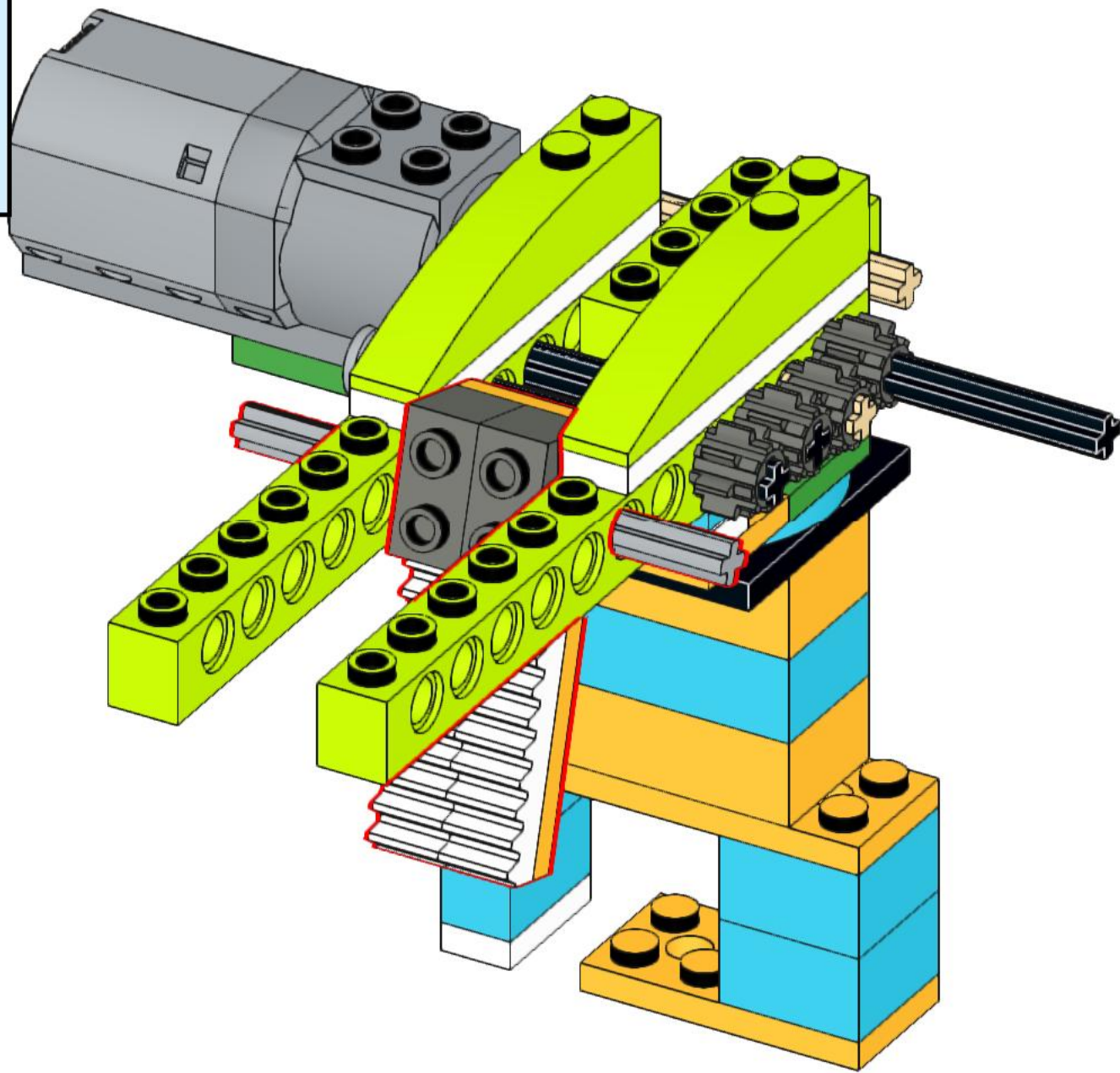
This should lower the arm.

2   0.5

2   0.5

0

0

LETS CODE USING MICROBIT AND SCRATCH

STEPS

1.- Install Scratch from this link:

https://play.google.com/store/apps/details?id=org.scratch&hl=es

2.- Create a new Scratch Project

After you create a Scratch project
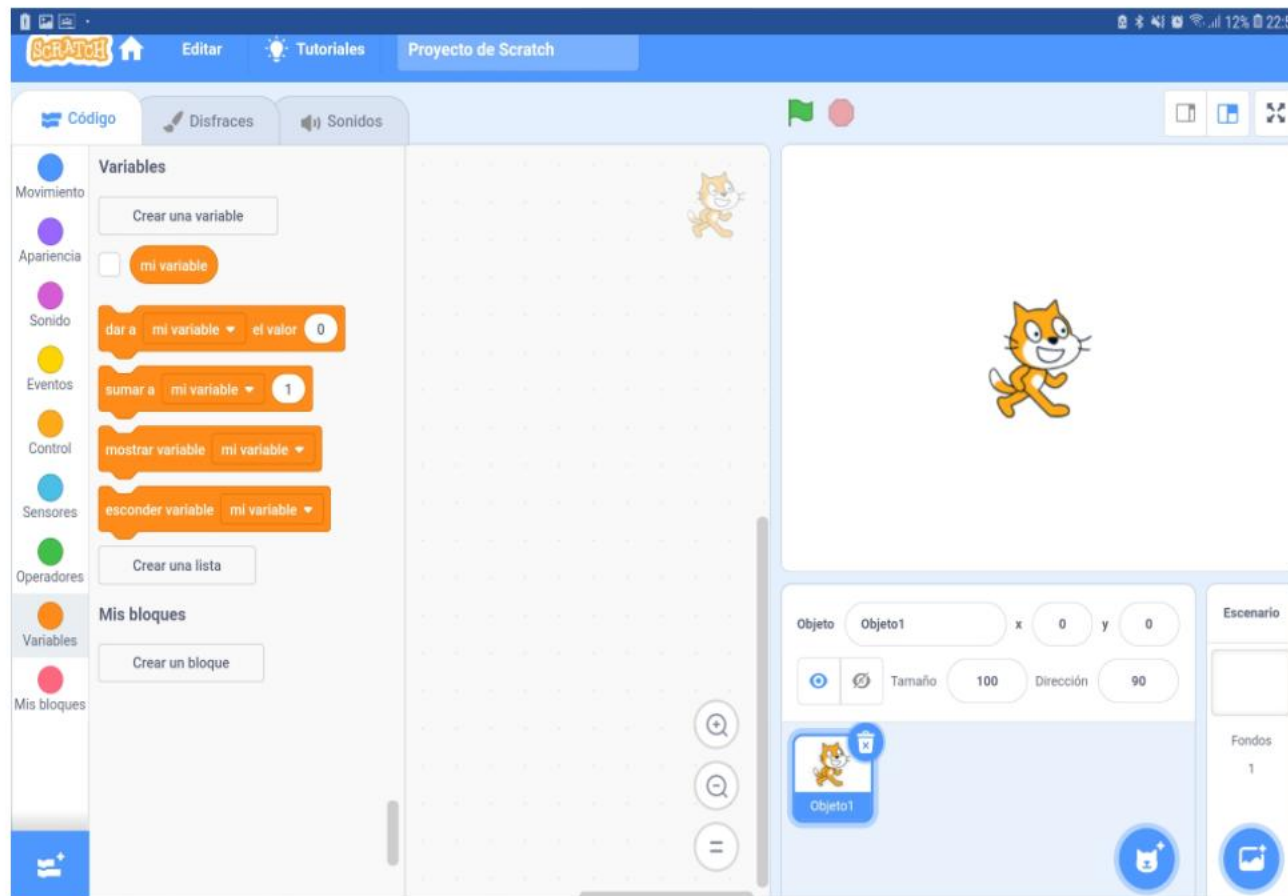
STEPS

3.- Add micro:bit extension

Add new extension

Select micro:bit extension

STEPS

4.- Install Scratch Link ONLY if you will work with Scratch in PC, with devices (Tablets) is not needed, but in this tutorial we are working with a tablet.

You will need to install Scratch Link from this LINK

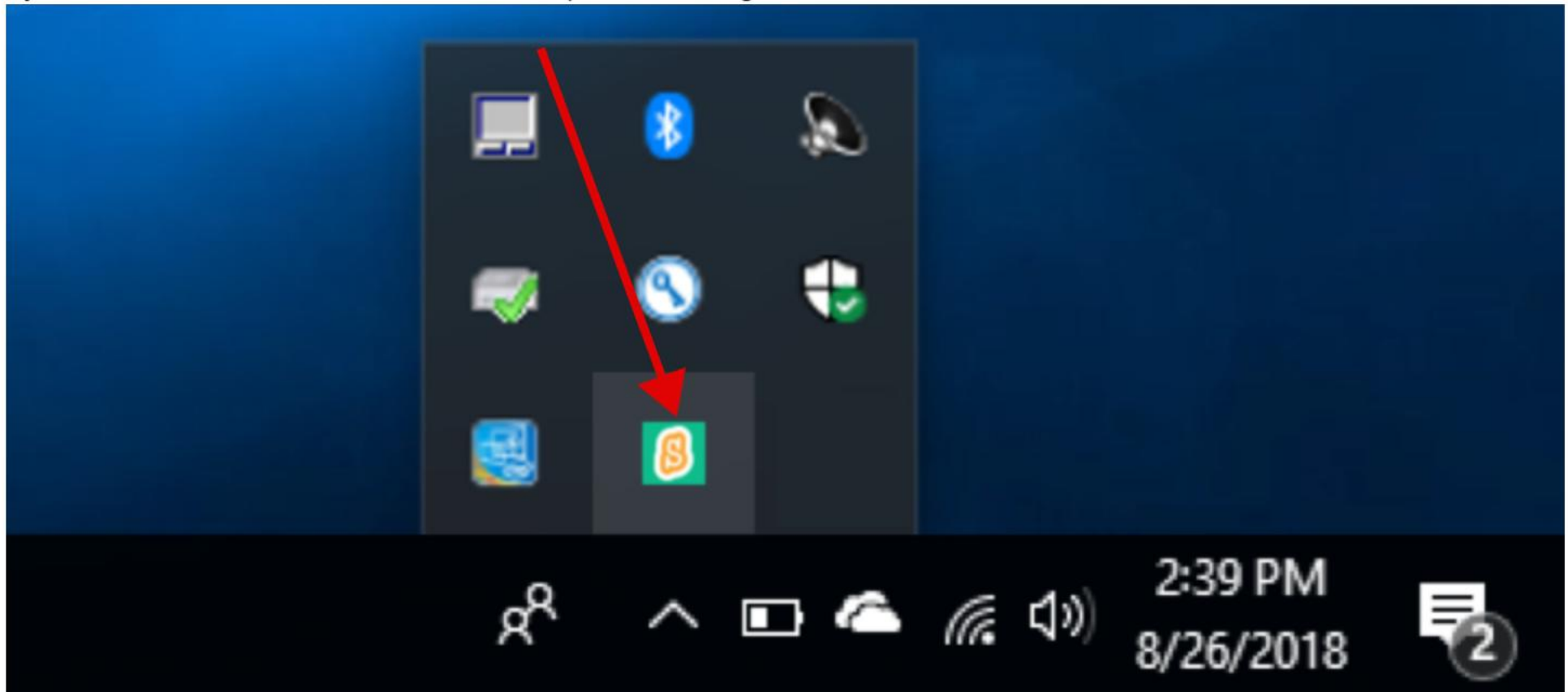https://downloads.scratch.mit.edu/link/windows.zip

After you install Scratch link, make sure it is up and running, it should be in the toolbar.

STEPS

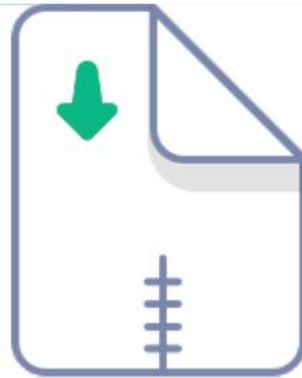**4.- Install Sractch micro:bit HEX file in your micro:bit**

This file needs to be added in microbit by using USB cable.

1

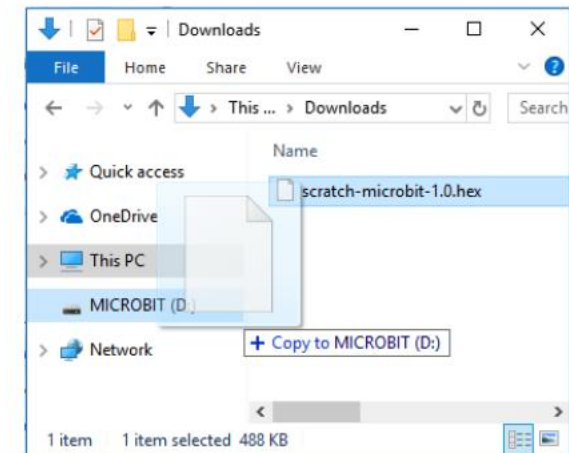Connect micro:bit to your
PC with a USB cable

2

Download the file Scratch
micro:bit HEX from this link.

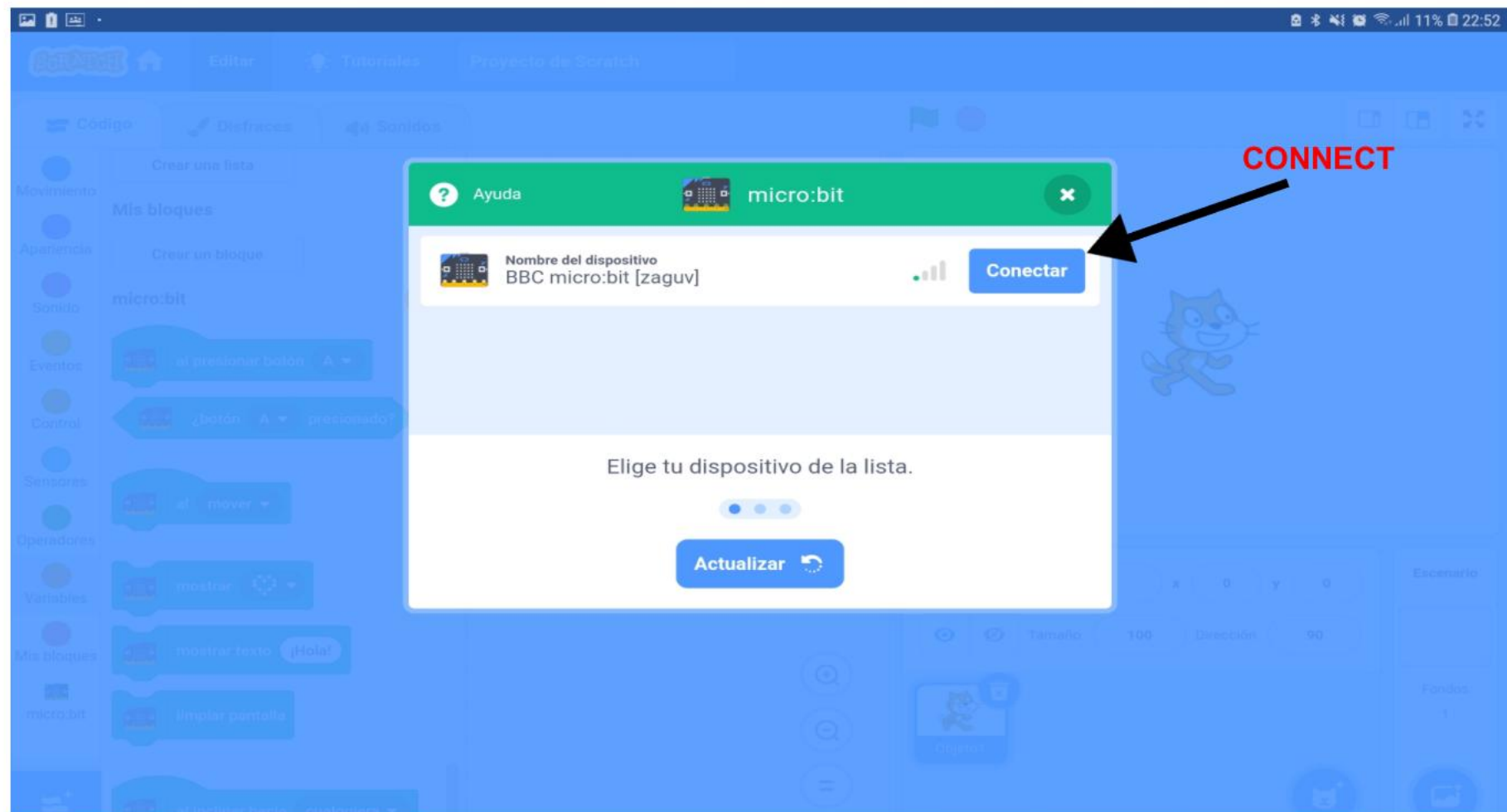https://downloads.scratch.mit.edu/microbit/scratch-microbit-1.1.0.hex.zip

3

Drag and Drop the HEX file into
the micro:bit

STEPS

4.- Bind Scratch with micro:bit

Now in Scratch you should see your micro:bit listed so click in "Connect"
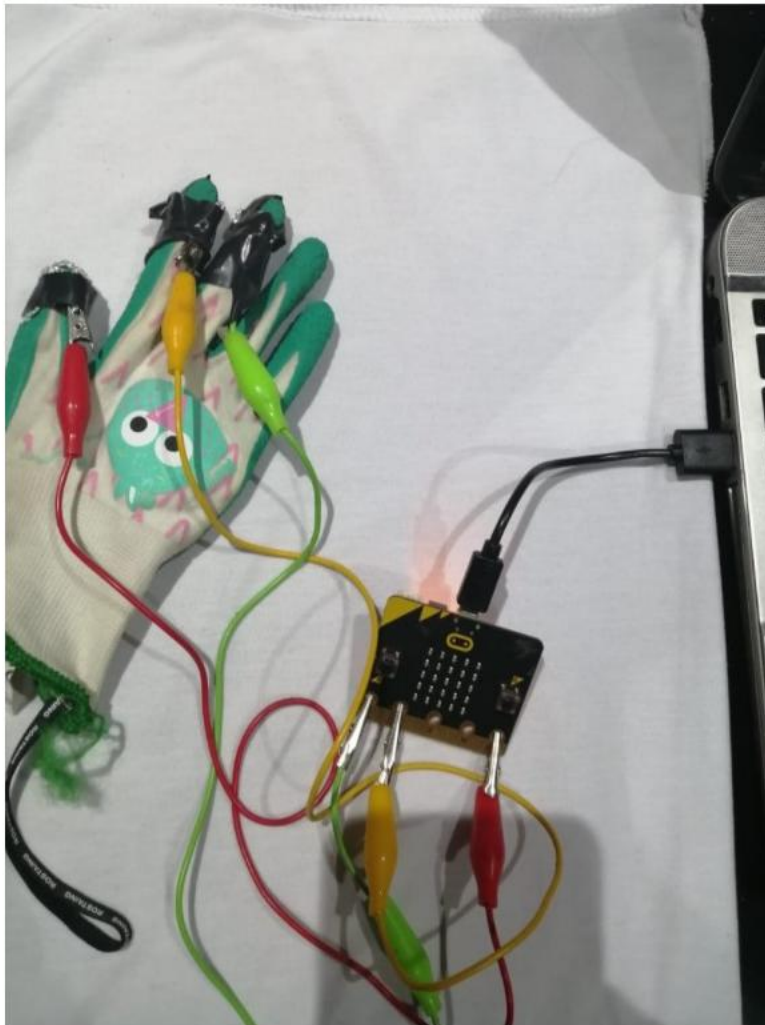
STEPS

4.- Code in Scratch

Now lets add some coding blocks to make this work from the scratch side.

STEPS

5.- glove to manipulate the robotic arm

You can use platinum paper, and scotch paper

THANK YOU