Student Instruction Manual
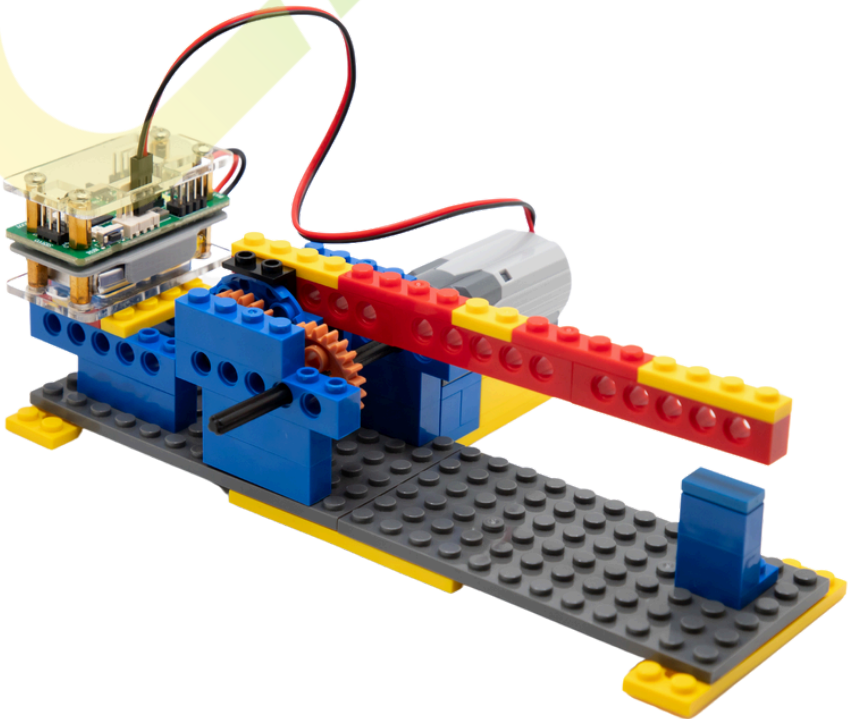
Railroad Gate Lever
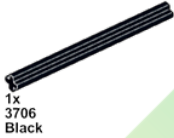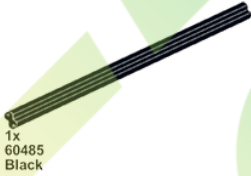
Check for all Gate Lever parts:

1x
99781
Black

1x
58120c01
White
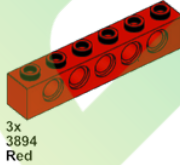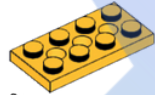
1x
3706
Black
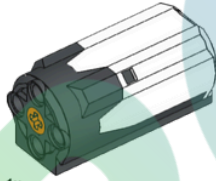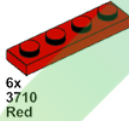
2x
3648
Nougat

1x
4265c
Bright Light Orange

2x
3709b
Bright Light Orange

1x
3020
Bright Light Orange

1x
60485
Black

6x
3710
Red

2x
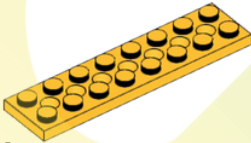3023old
Bright Light Orange

3x
3894
Red
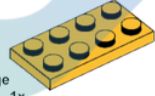
4x
3710
Bright Light Orange
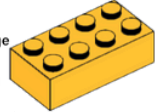
1x
3001
Bright Light Orange

3x
3022
Blue

5x
3738
Bright Light Orange

8x
3010
Blue

2x
3028
Blue

2x
3069
Blue

3x
3004
Blue
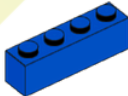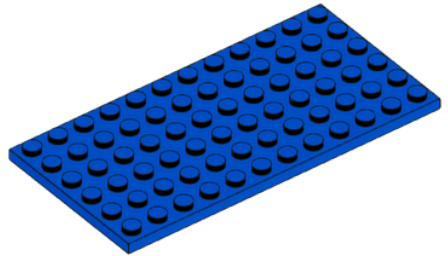
2x
60474
Blue

1x
3065
Blue

4x
3894
Blue

1

5x

2x

2

3x

1x

3

2x
4x
4x
3x

4

1x
1x
1x

5

1x 1x 1x 1x

6

7

3x   1x

8

1x   1x

9

1x 3x 3x 1x 2x 1x

10

2x 1x 2x 2x 1x
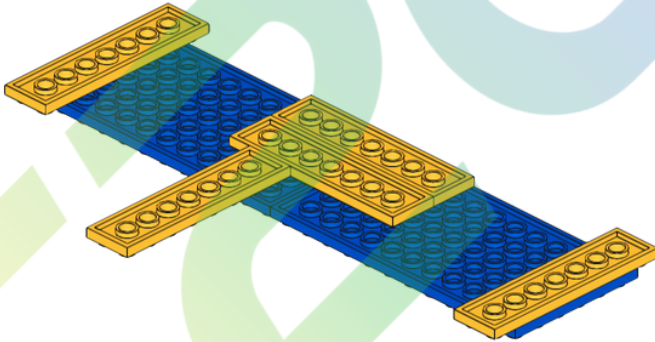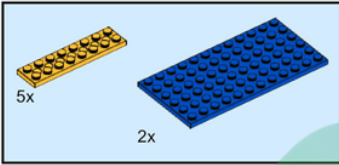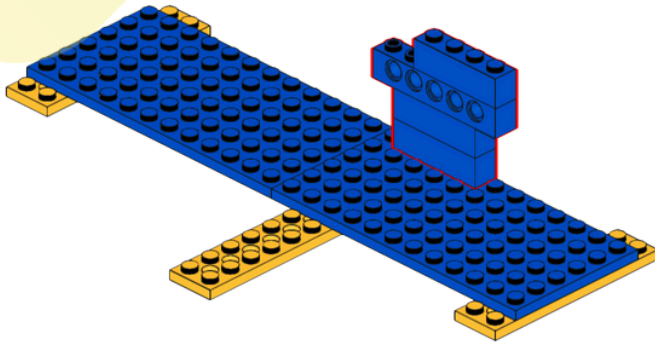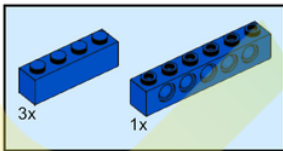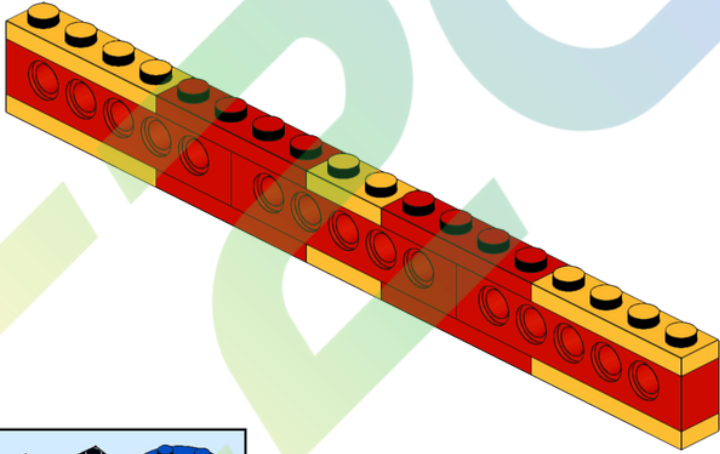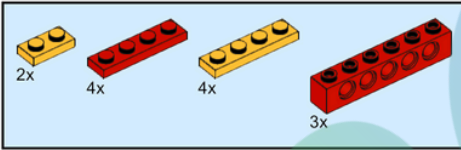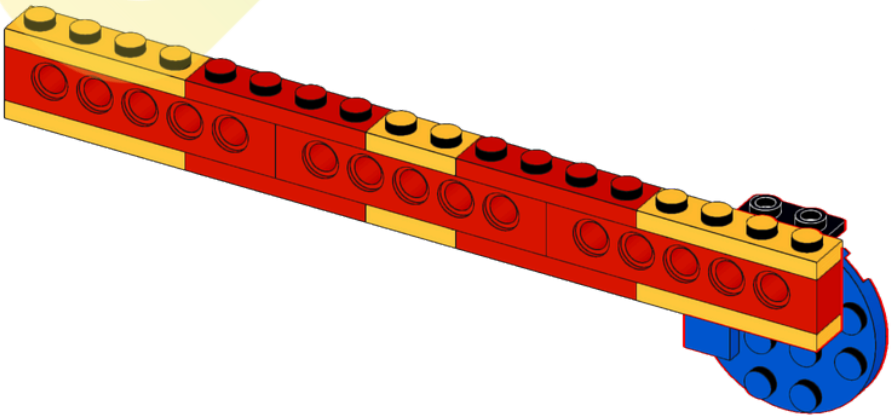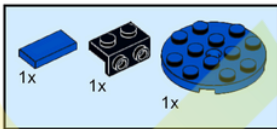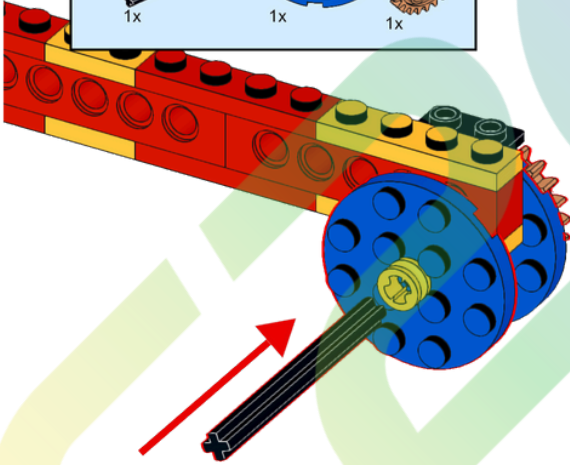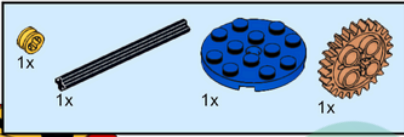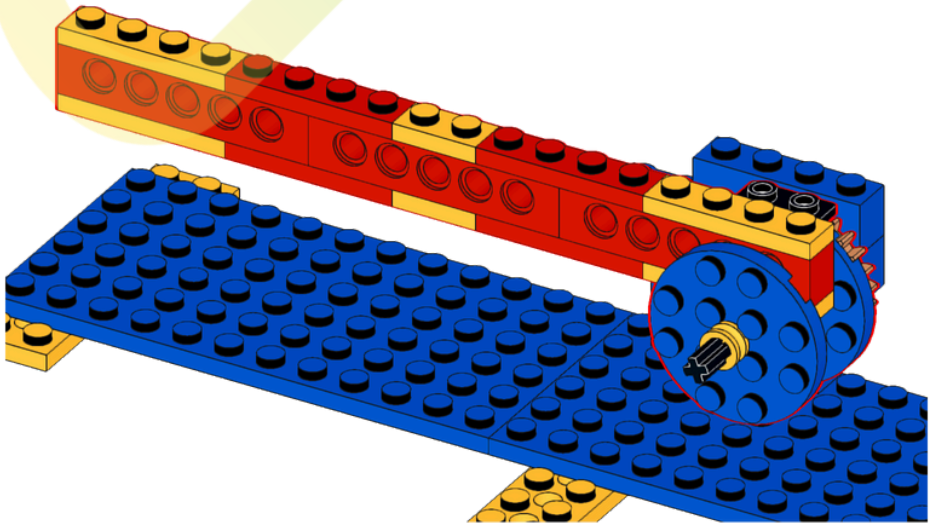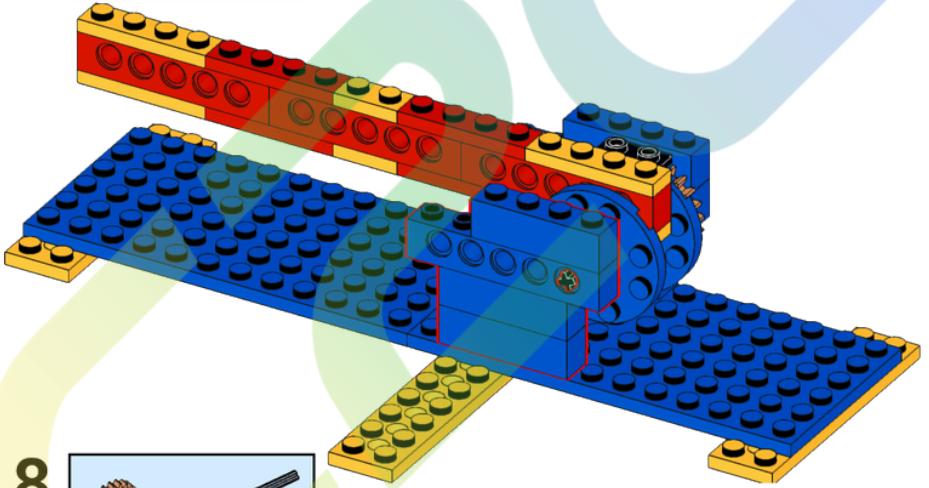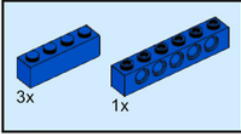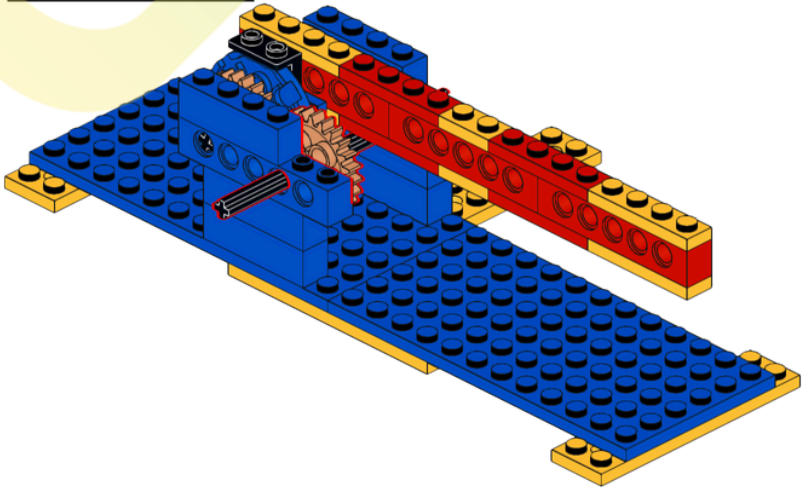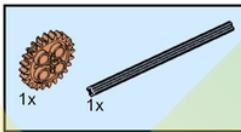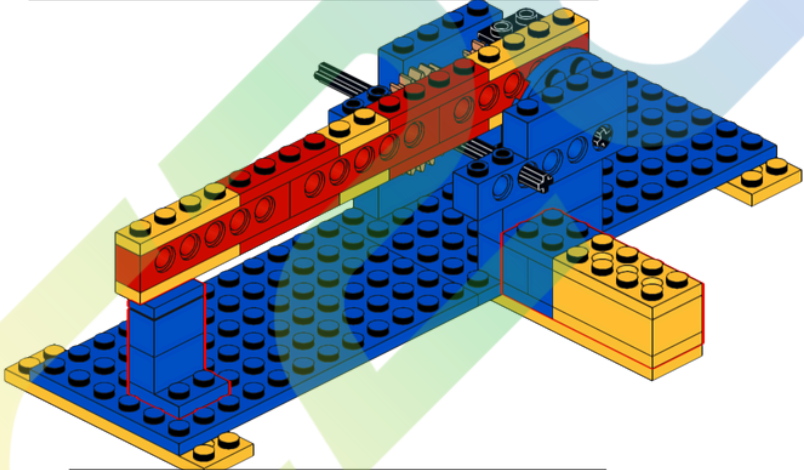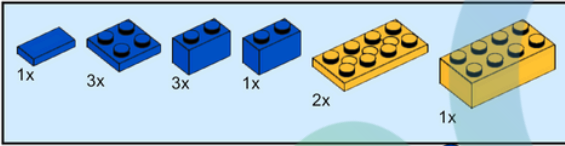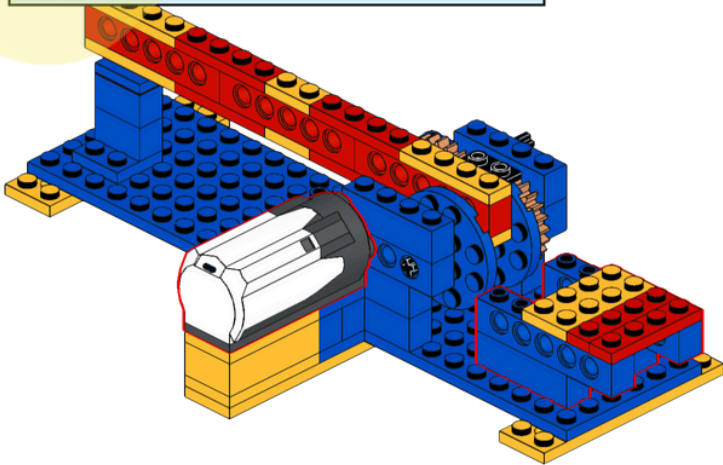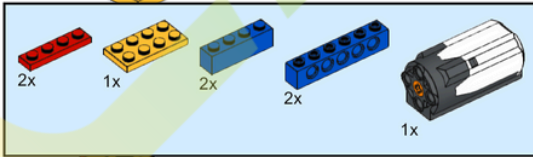
Mounting the Microcontroller
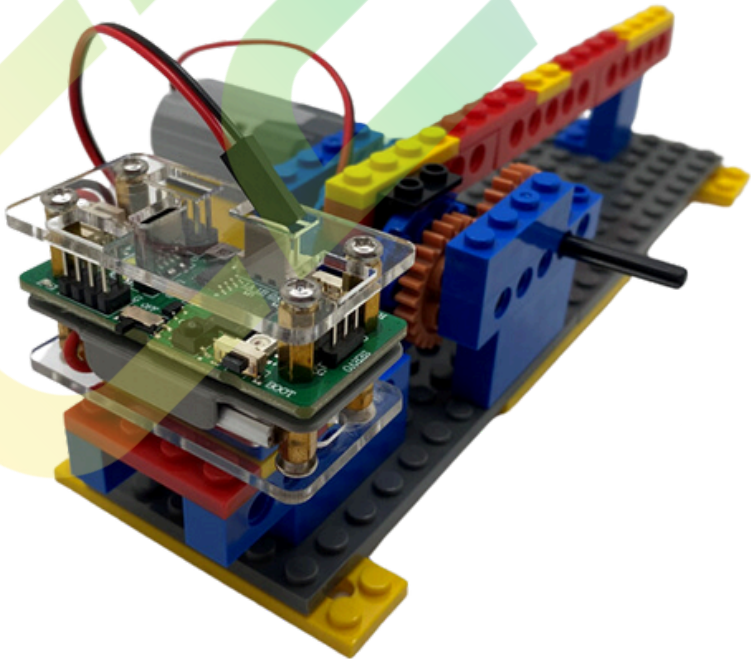
How to wire the robot?

C2G Mini Wiring Schematics

DC Motor

1A 1B 2A 2B

Lithium Battery

Microcontroller

Servo

On/Off Switch
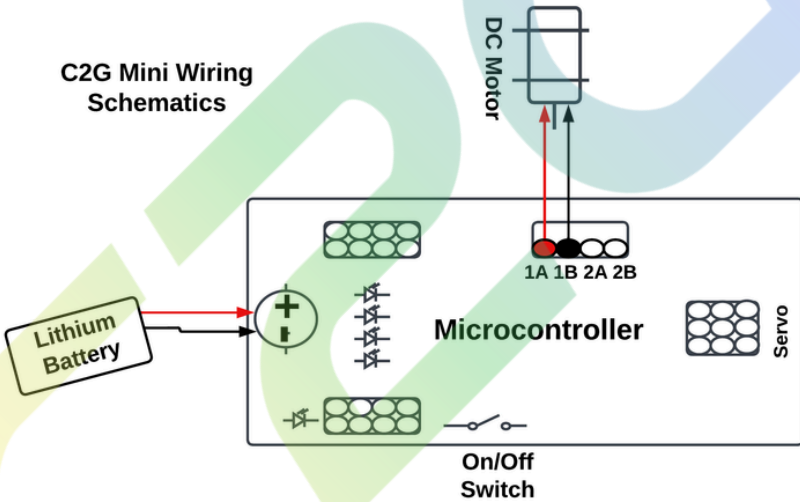
1A: Red wire of DC motor
1B: Black wire of DC motor

1A 1B 2A 2B

Lithium Battery Wiring
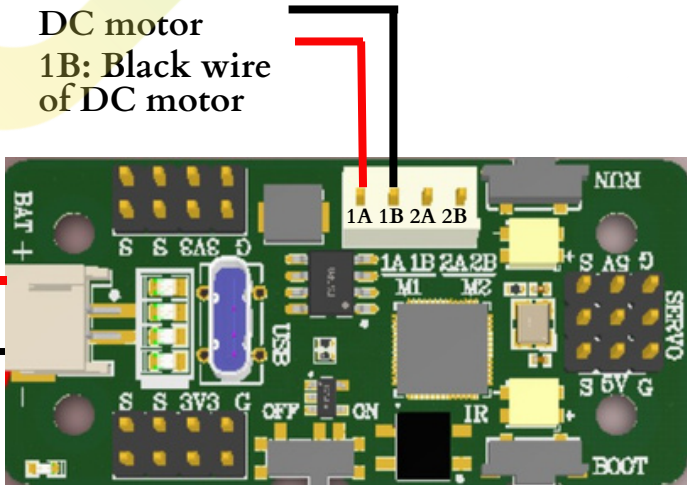
Congratulations on completing the Railroad Gate Lever build!