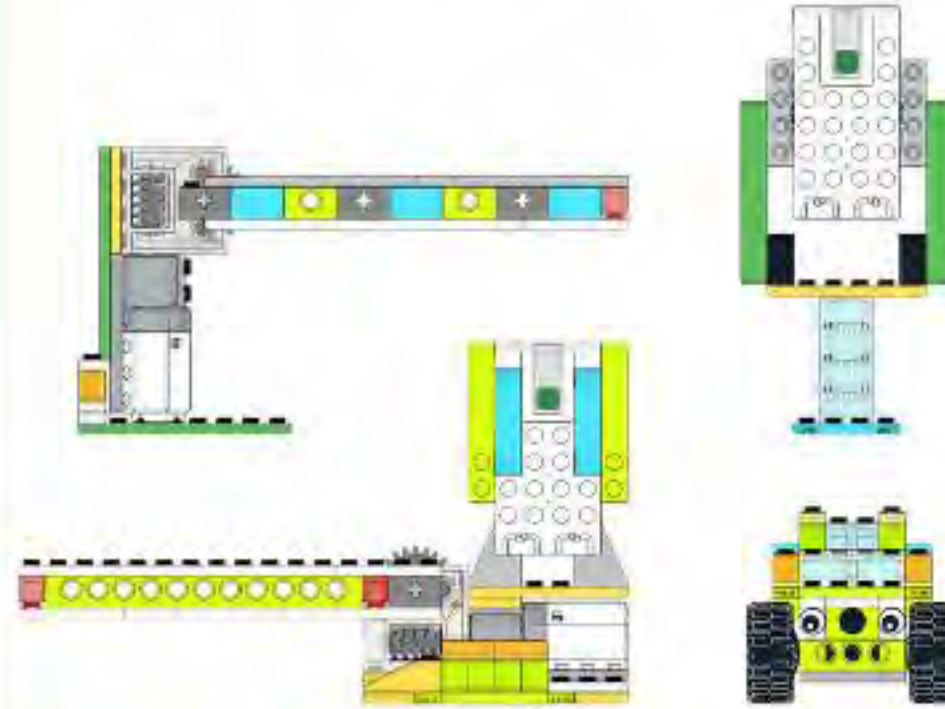


traffic lights and barrier
unofficial building instruction



Traffic lights and barrier

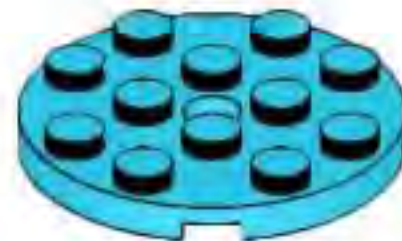
for Lego® WeDo 2.0
45300

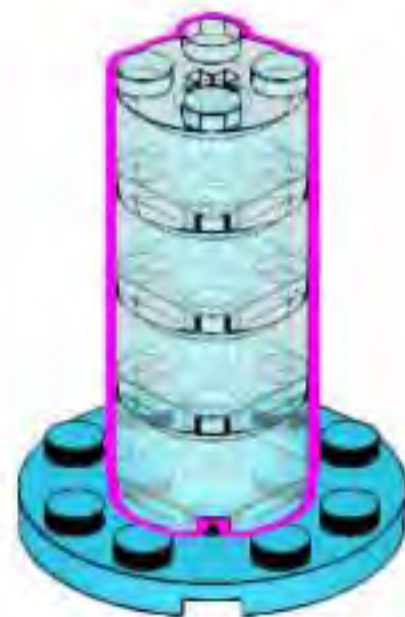
Gergert's lab

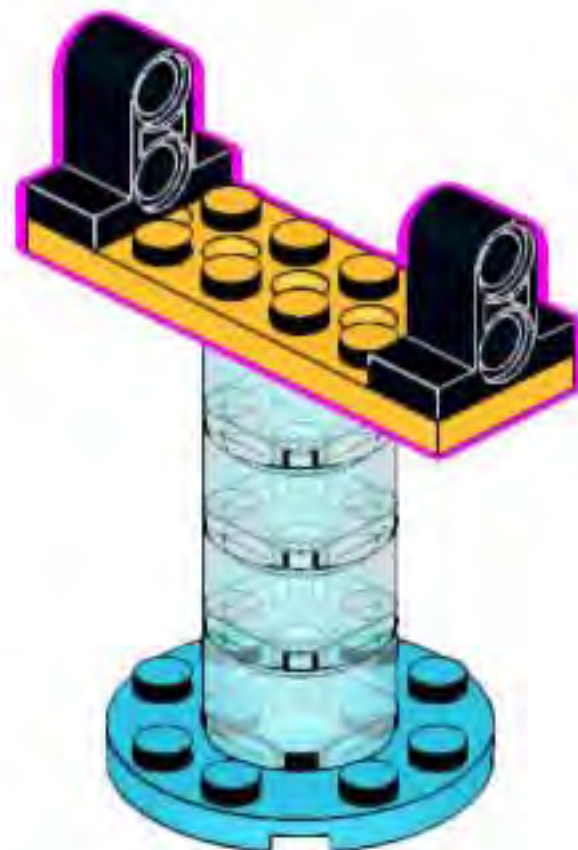
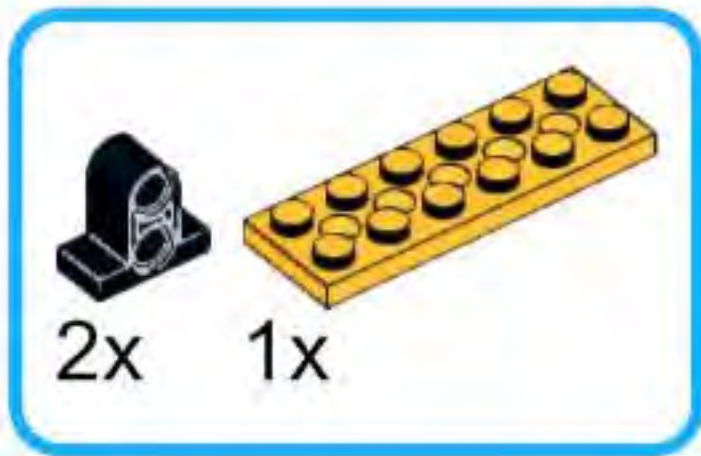
Variant A

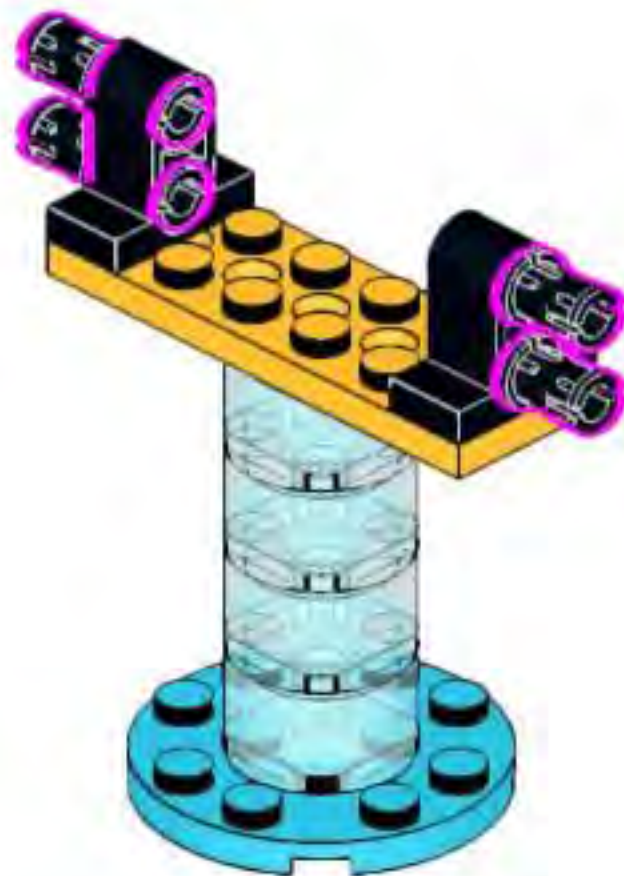


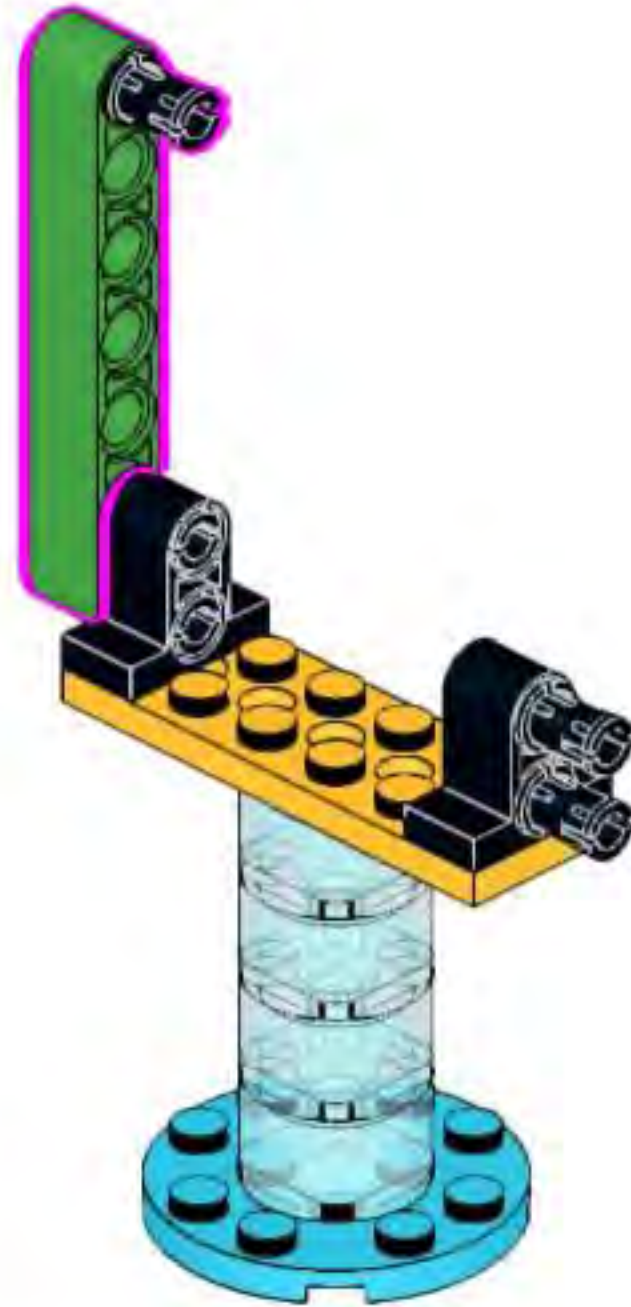
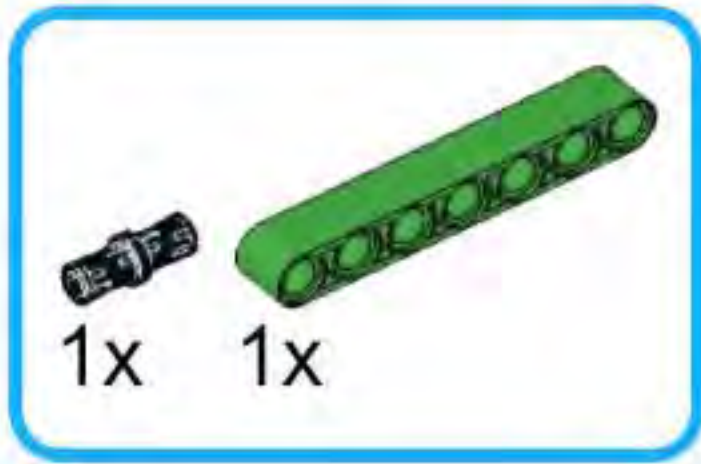
1x





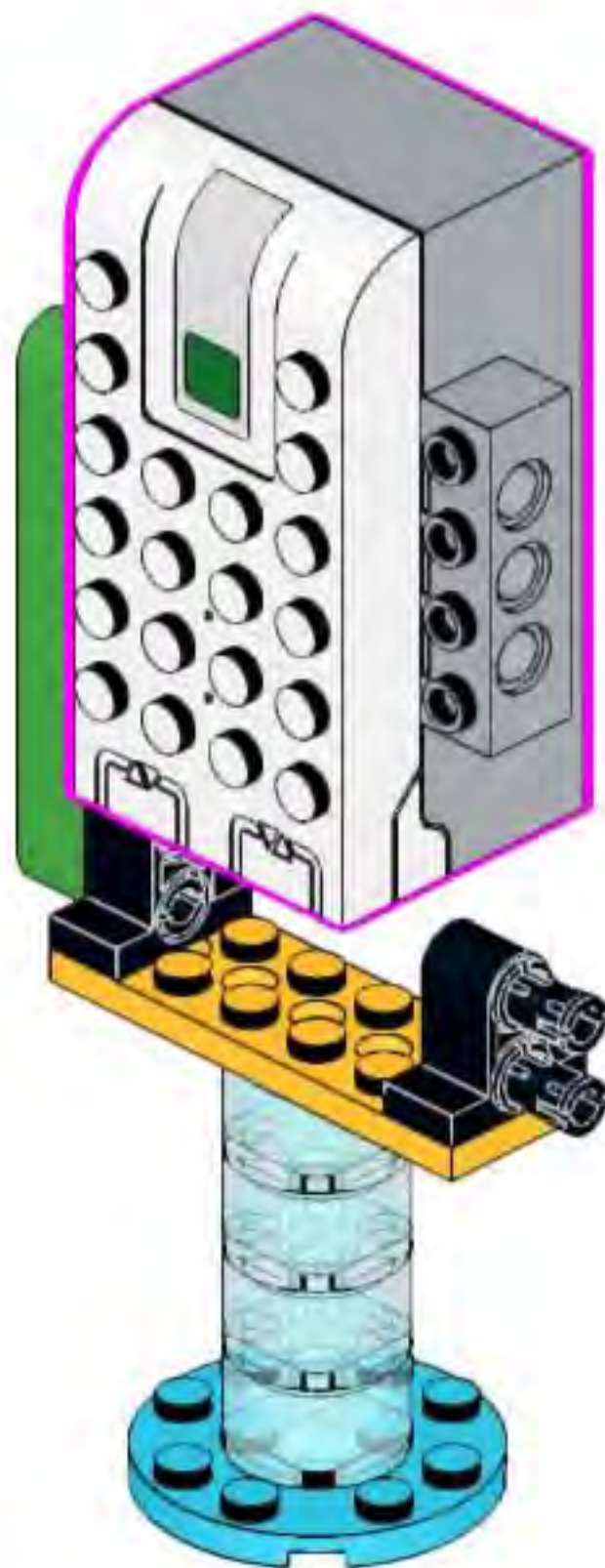


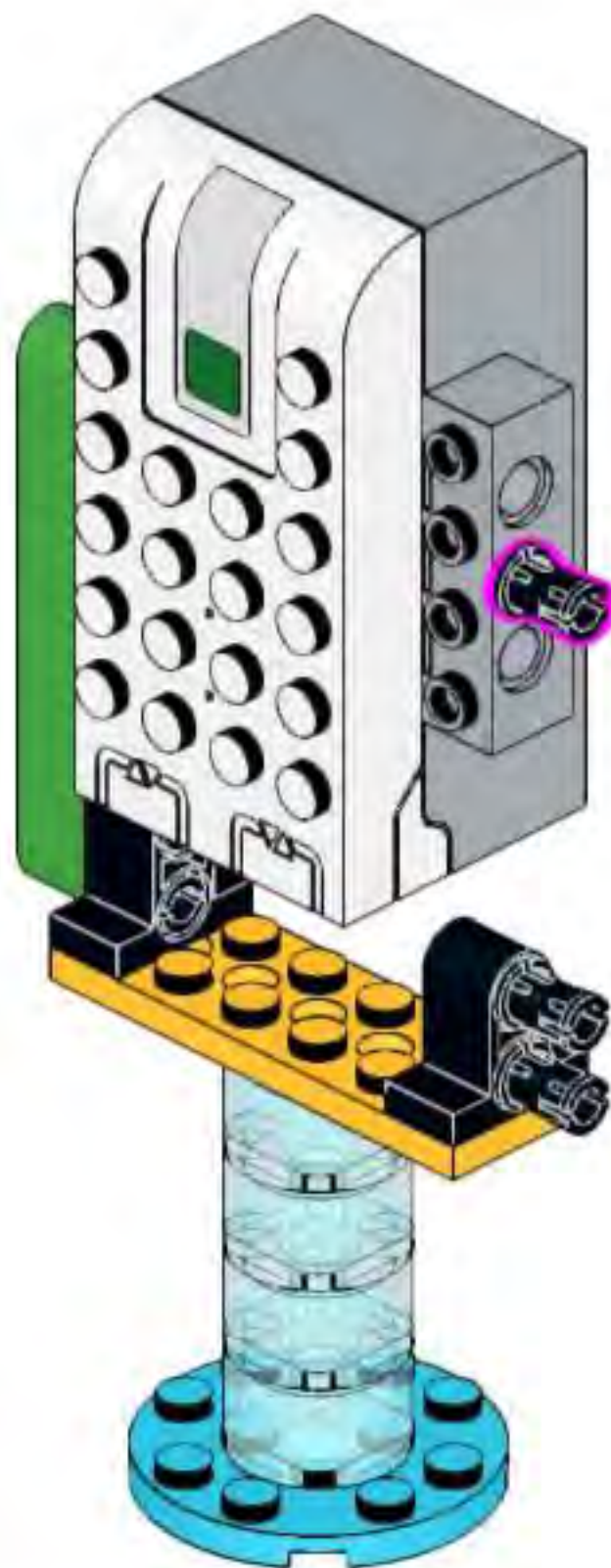


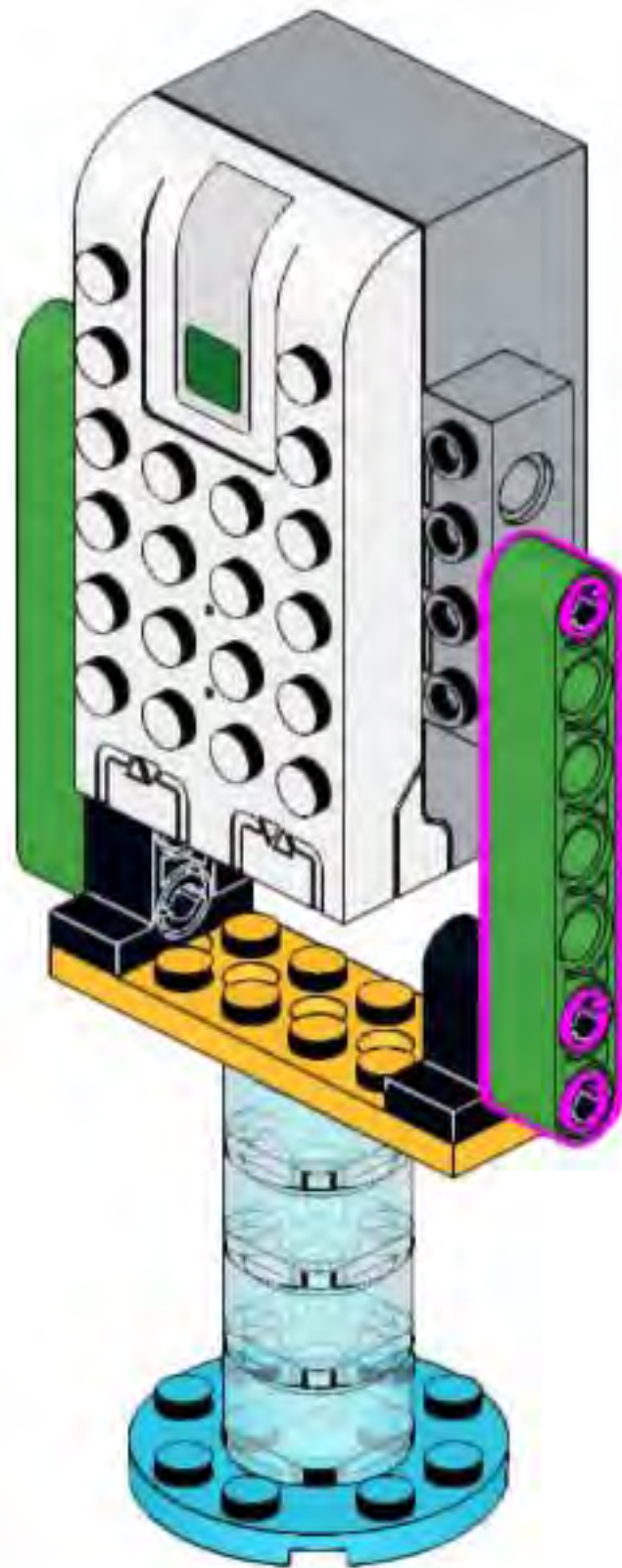


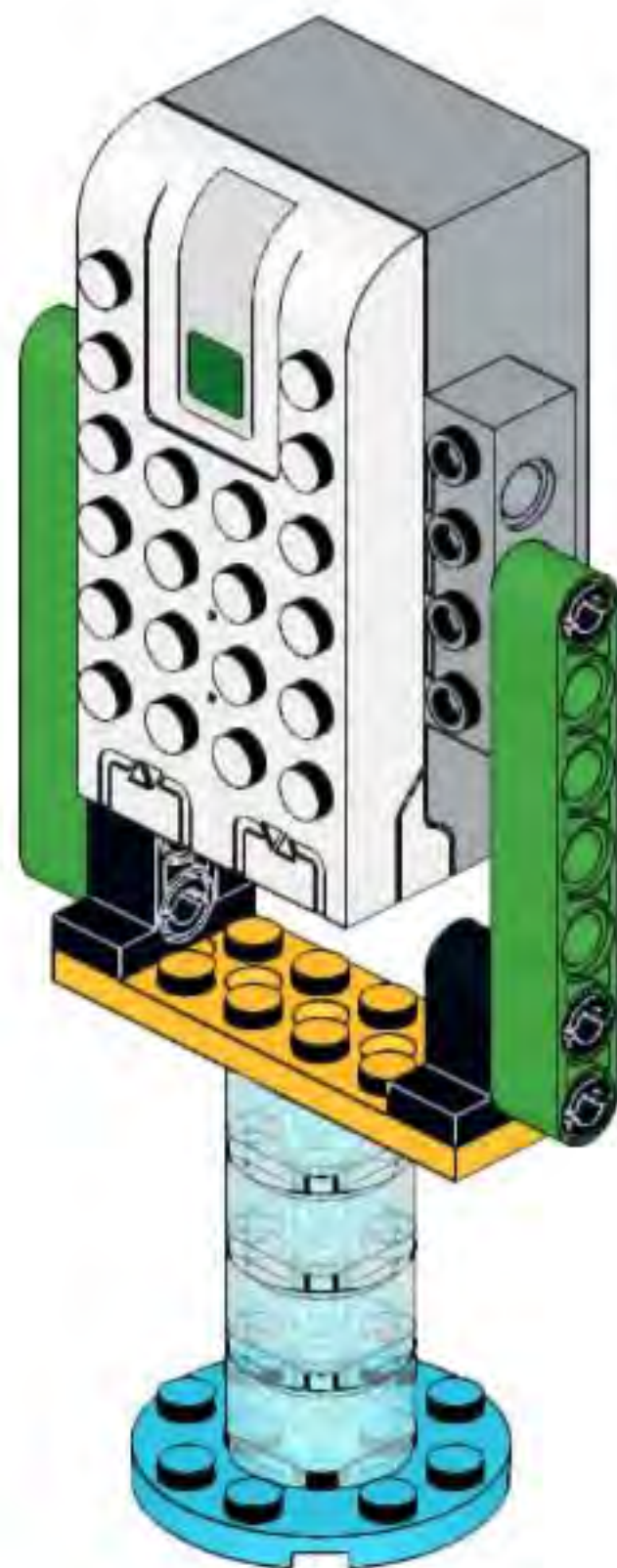


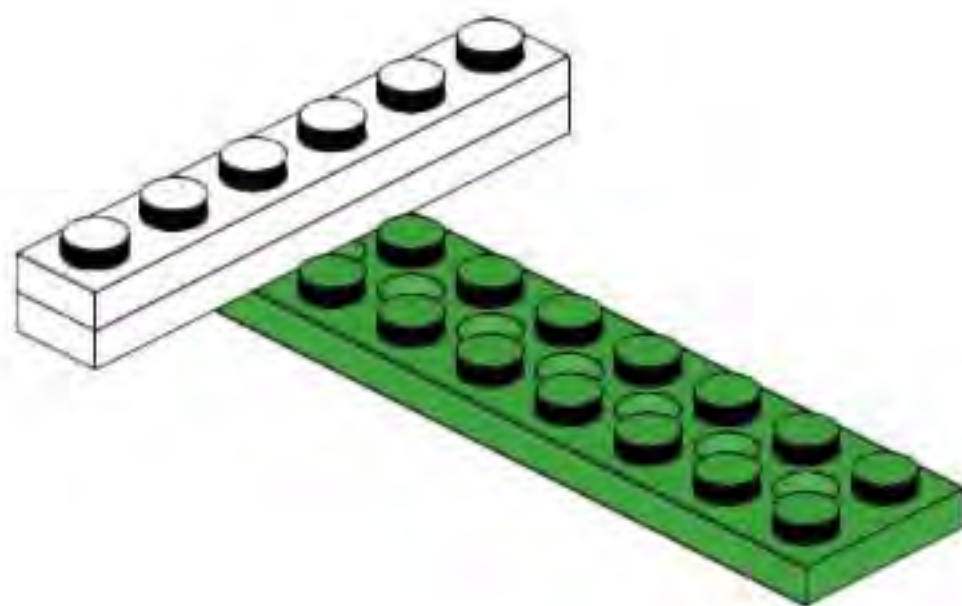
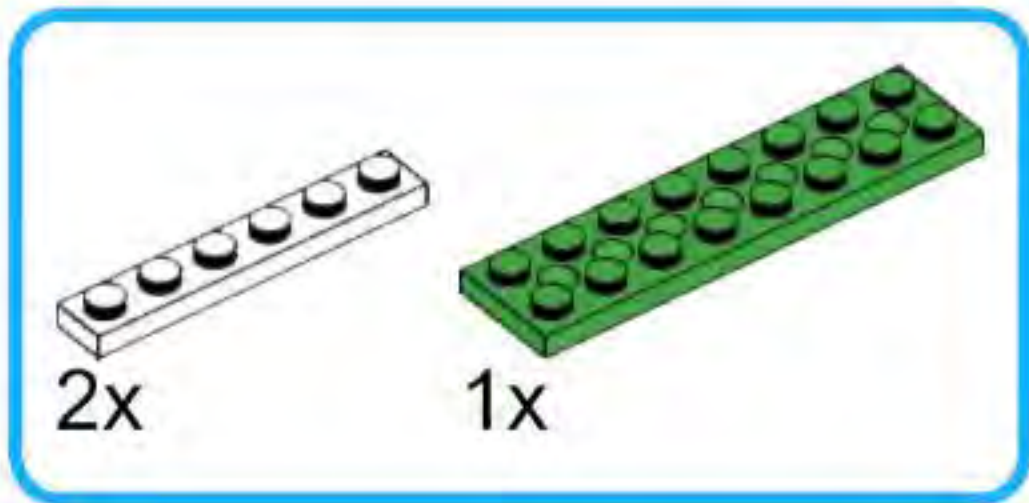
1x

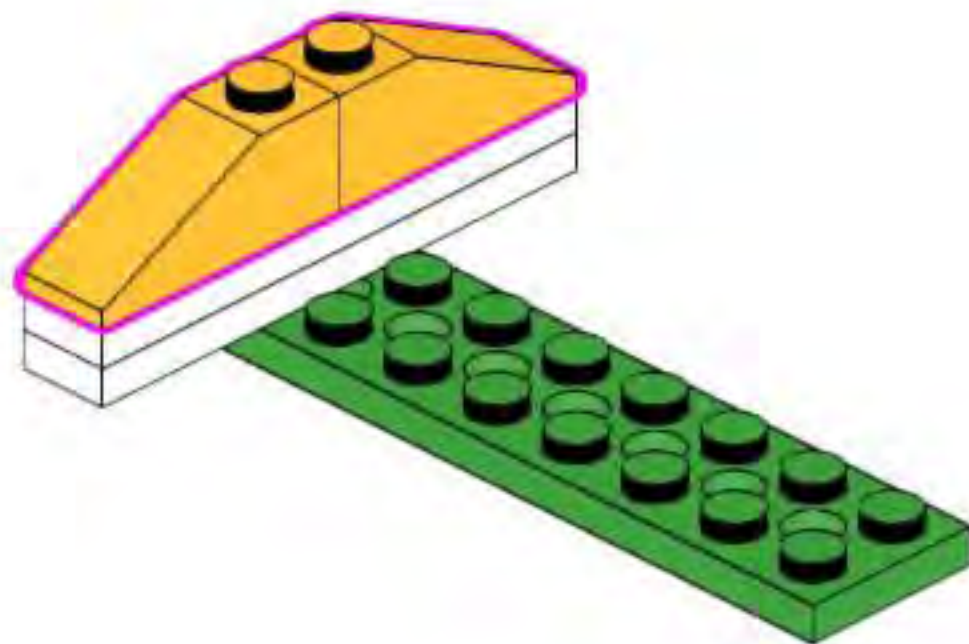
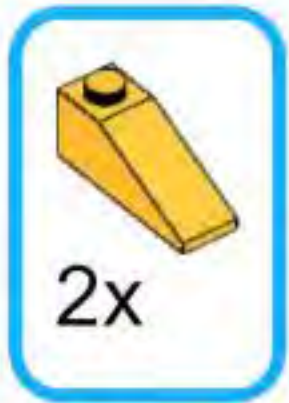


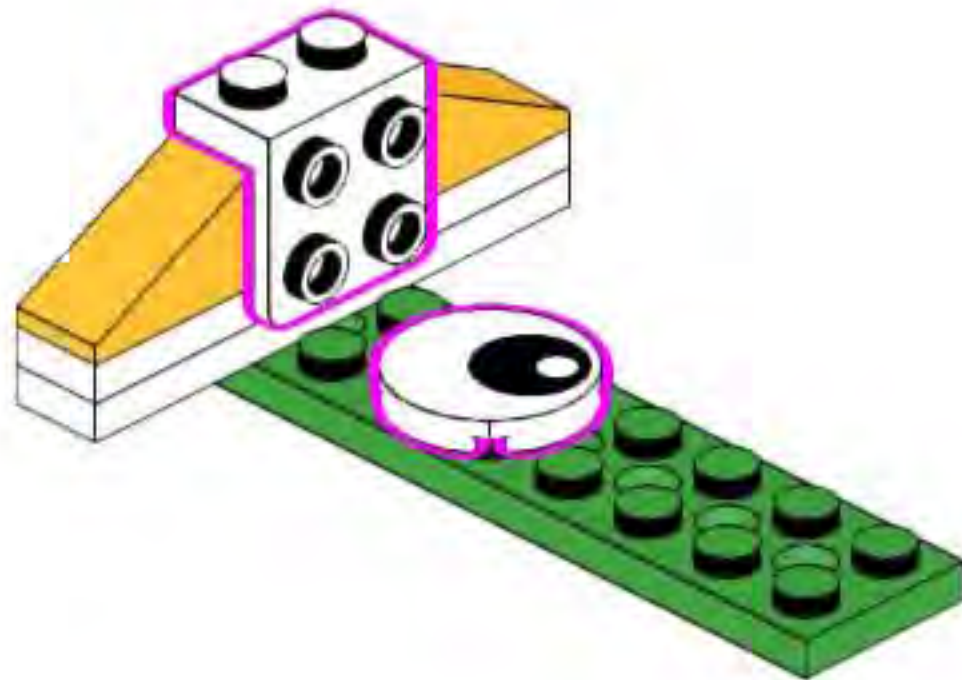
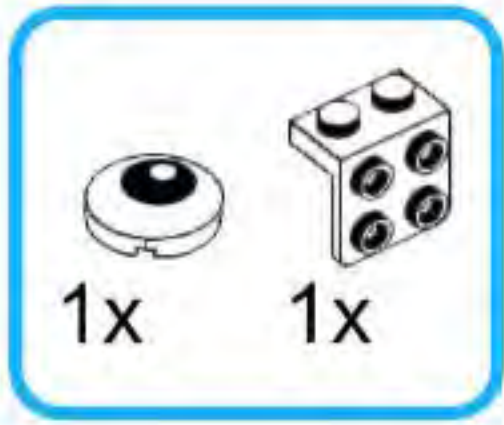


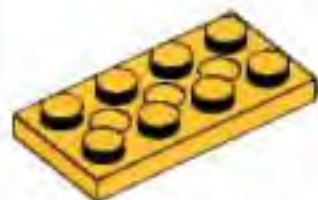








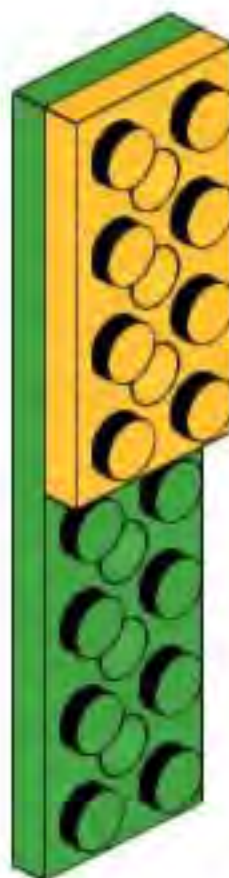


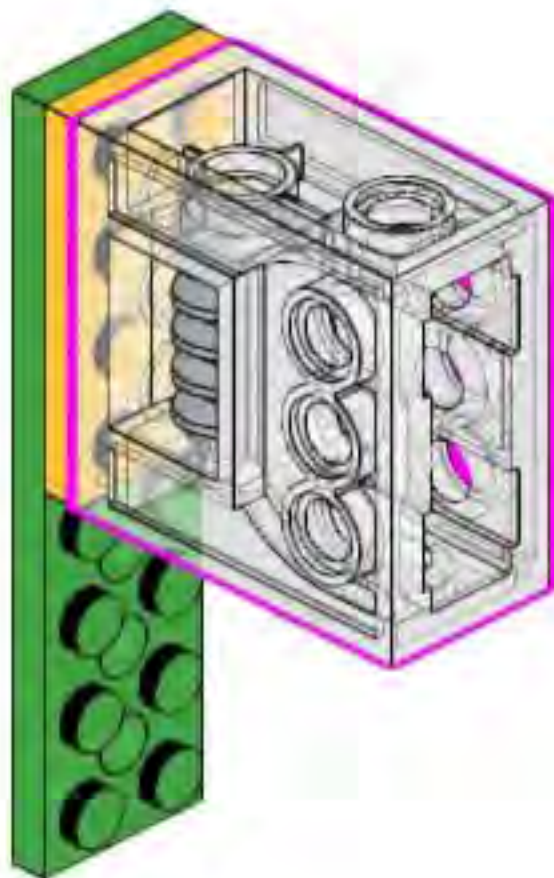
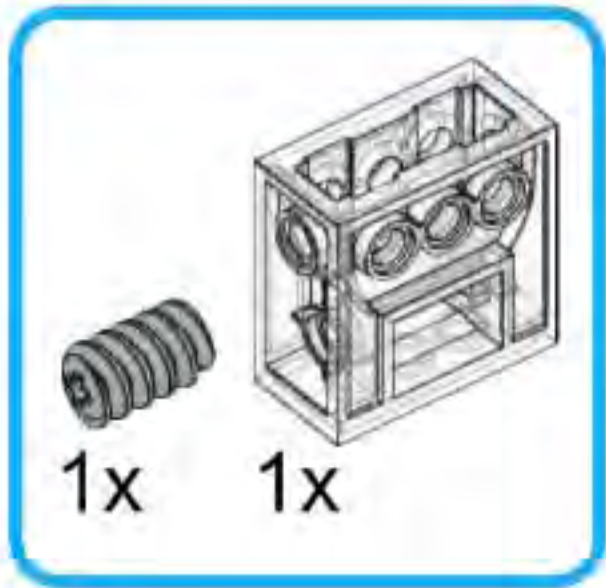


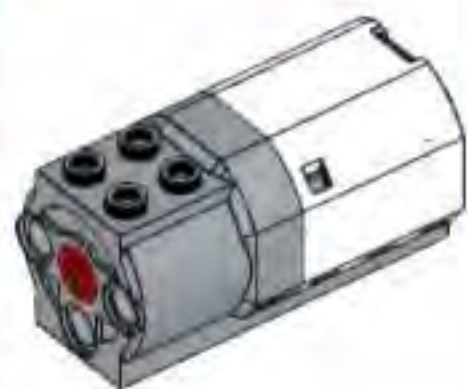
1x



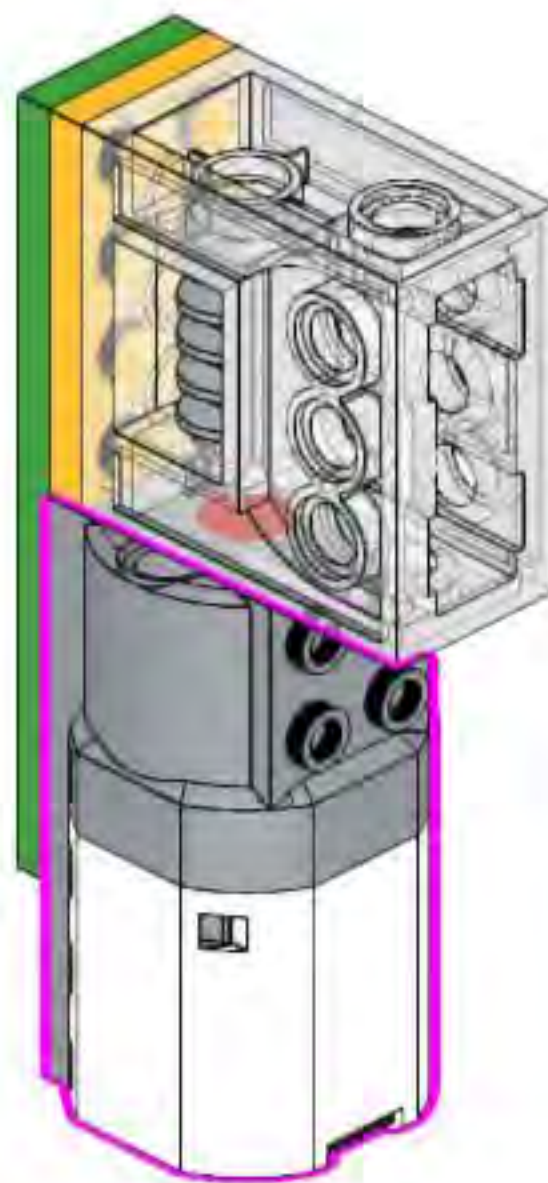
1x

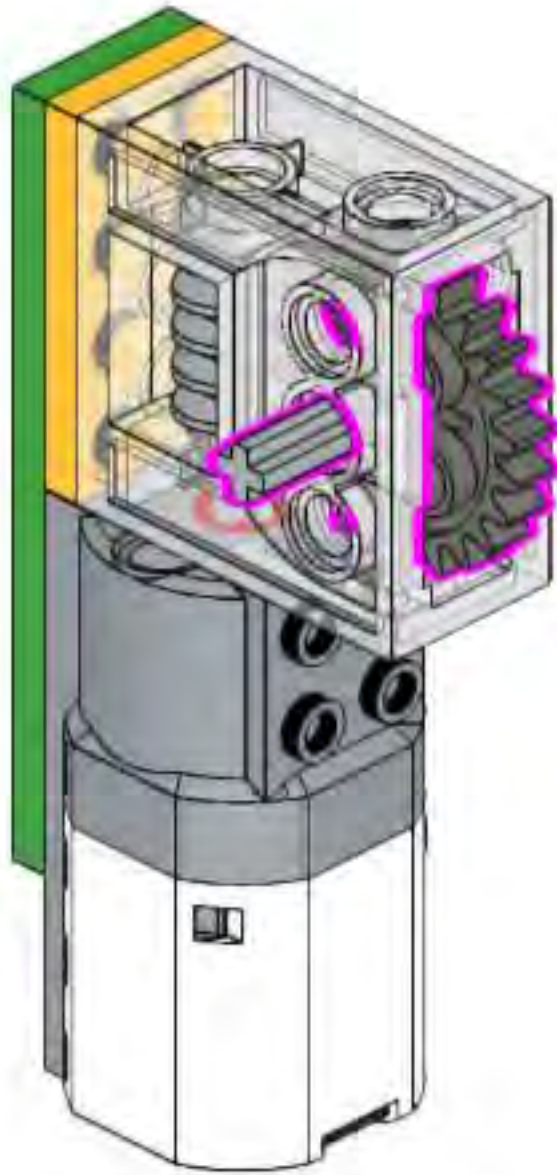
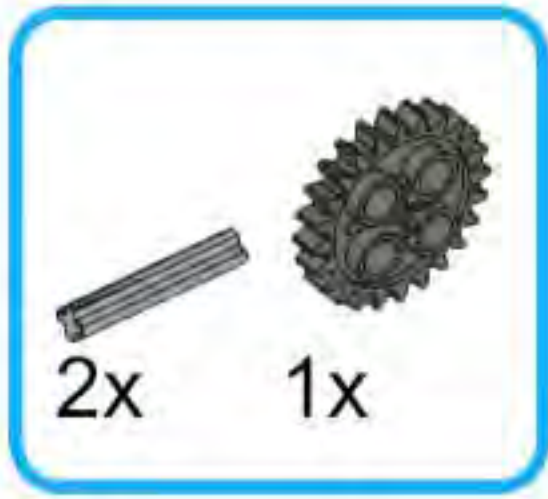


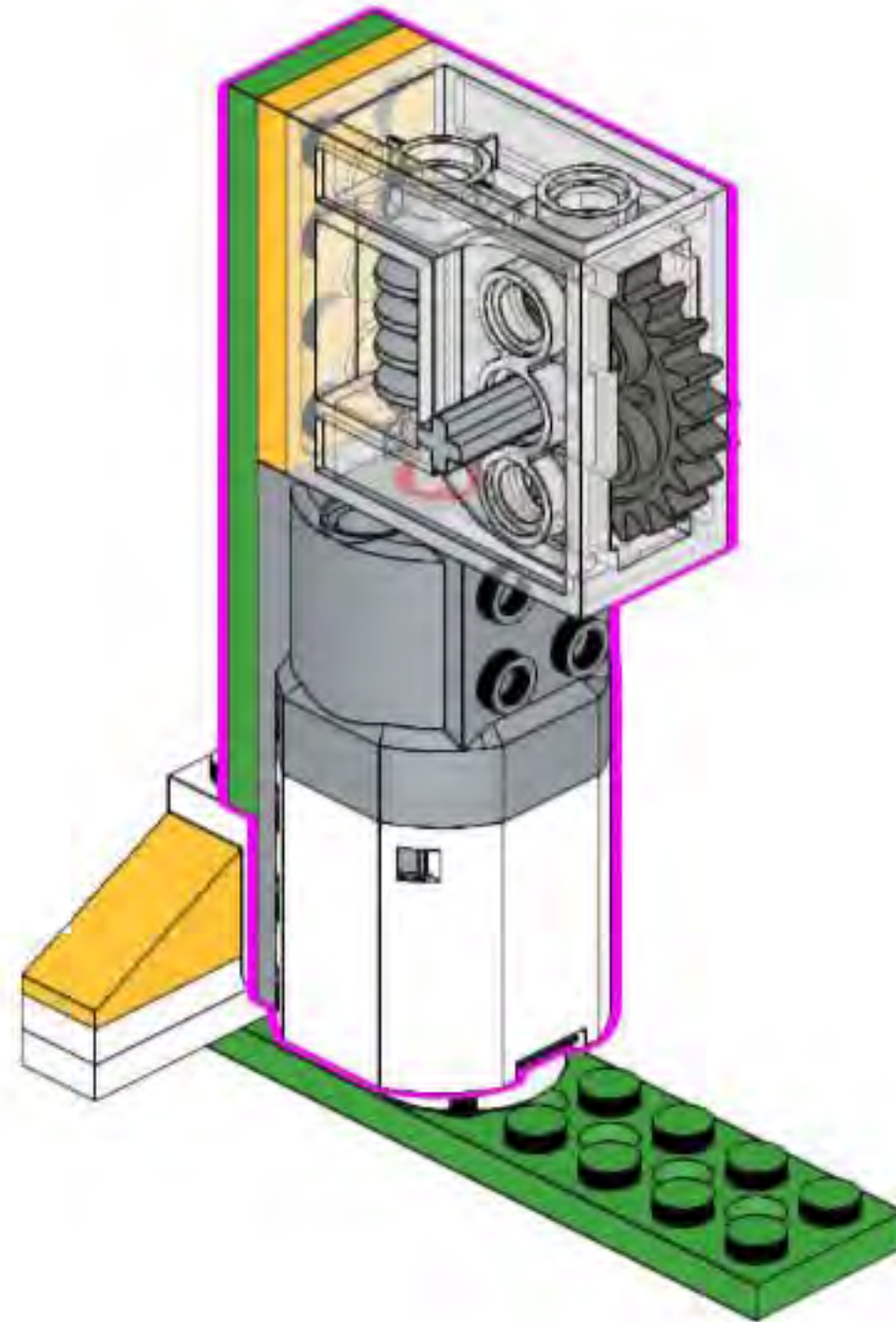


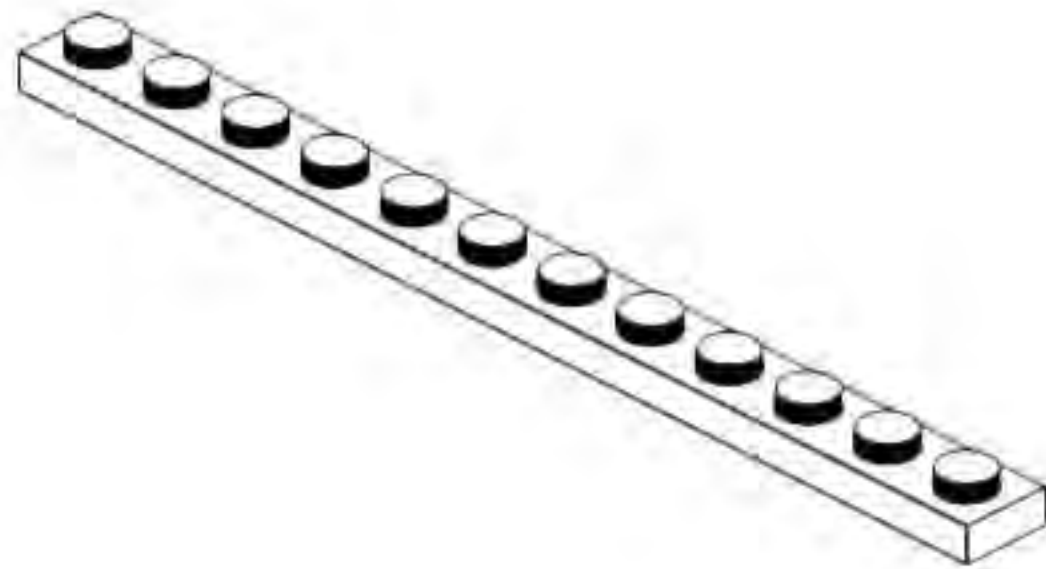
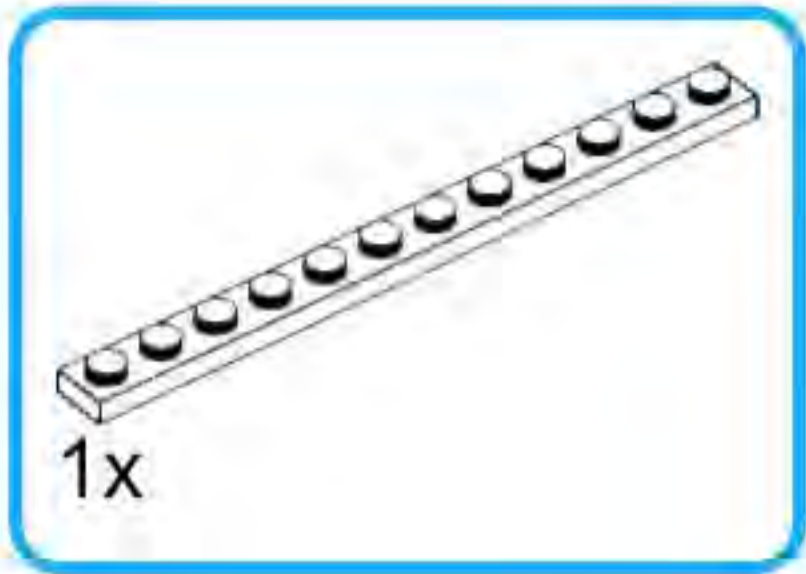


1x











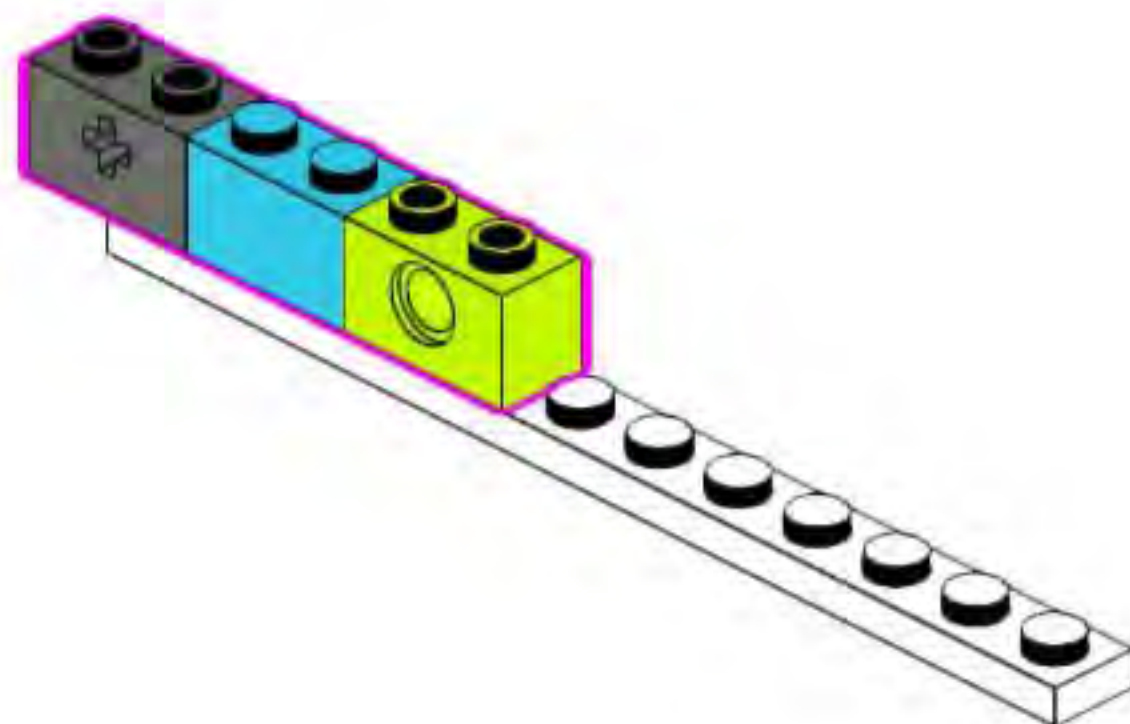
1x



1x



1x





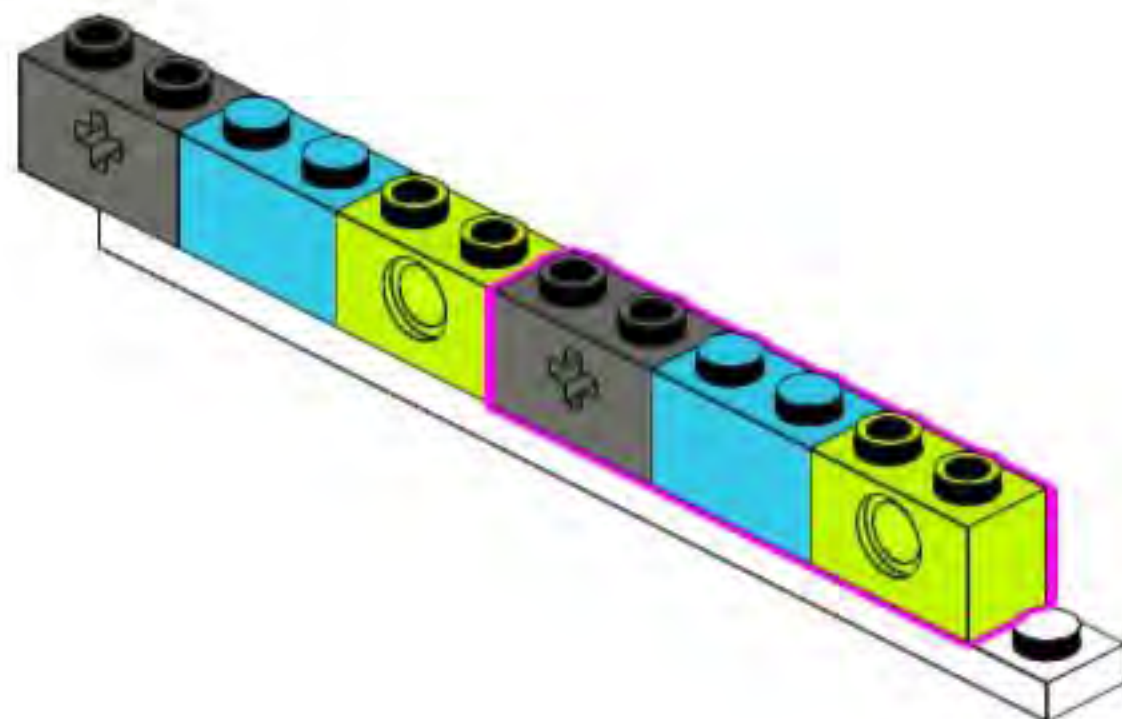
1x

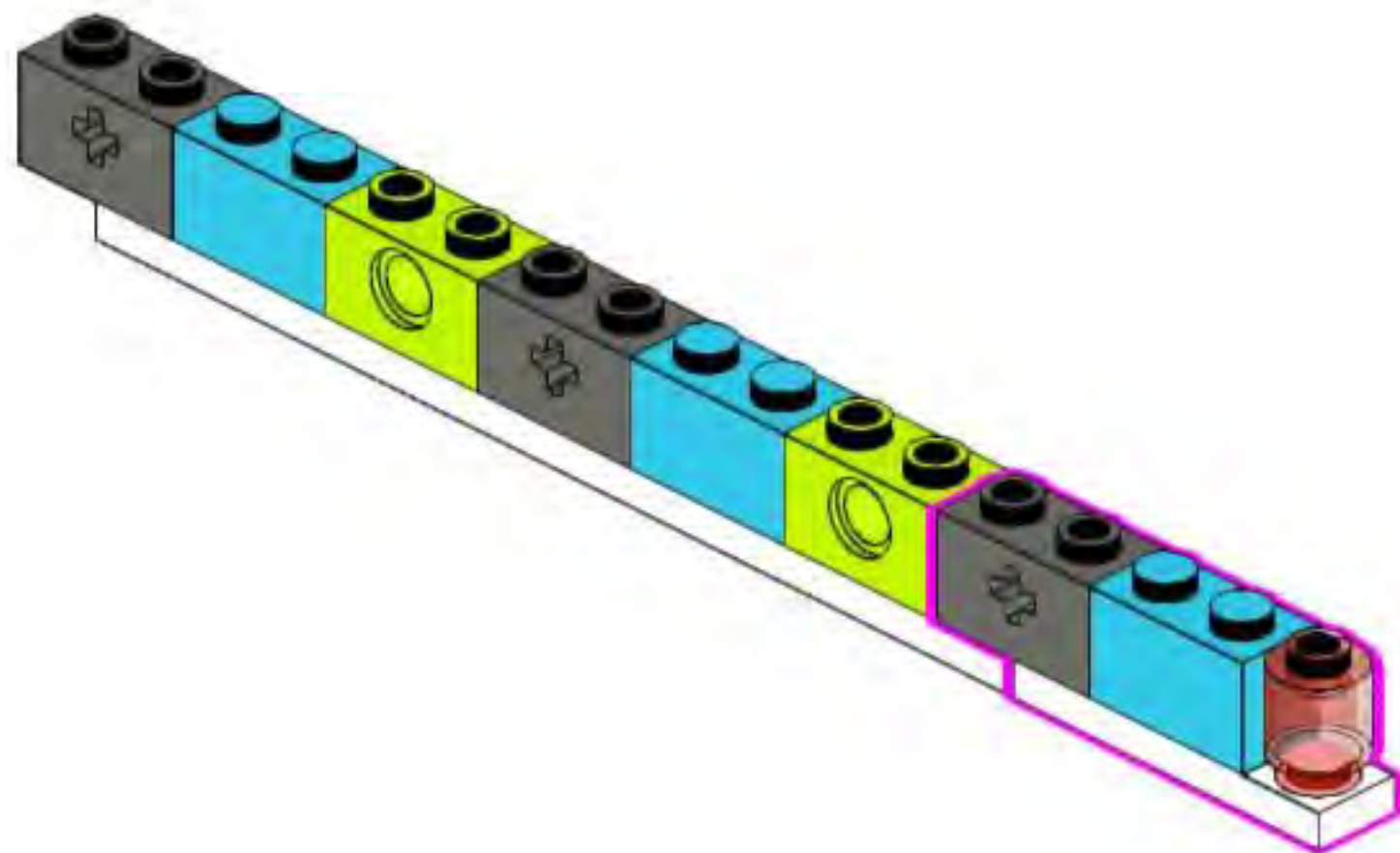
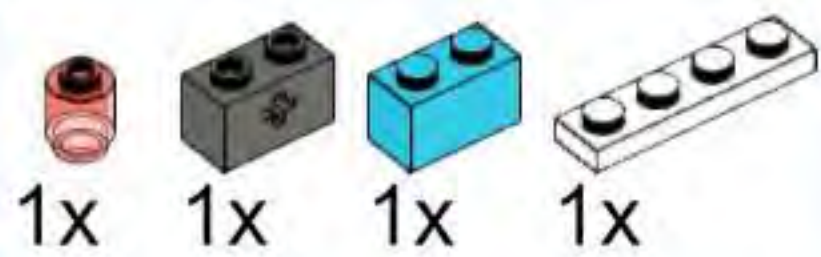


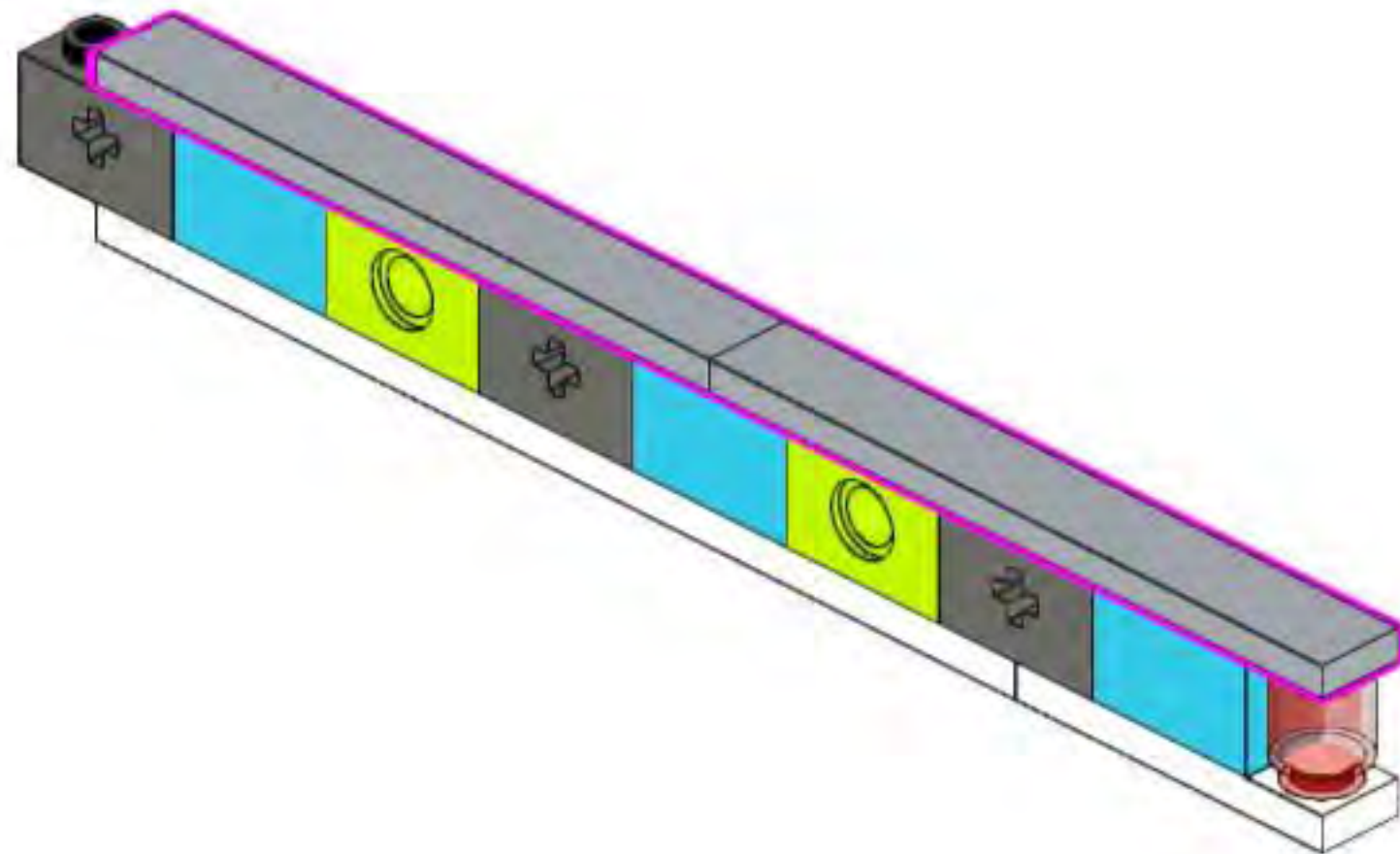
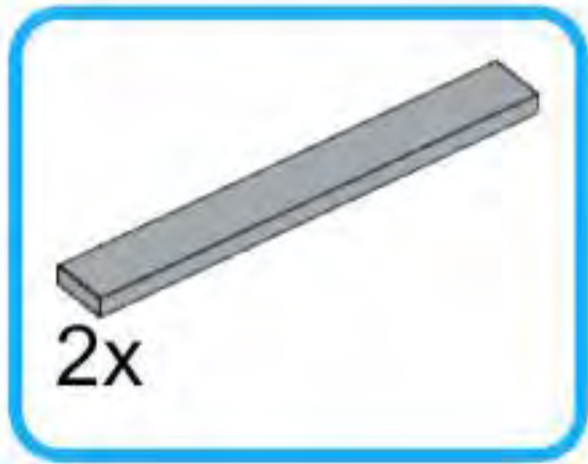
1x

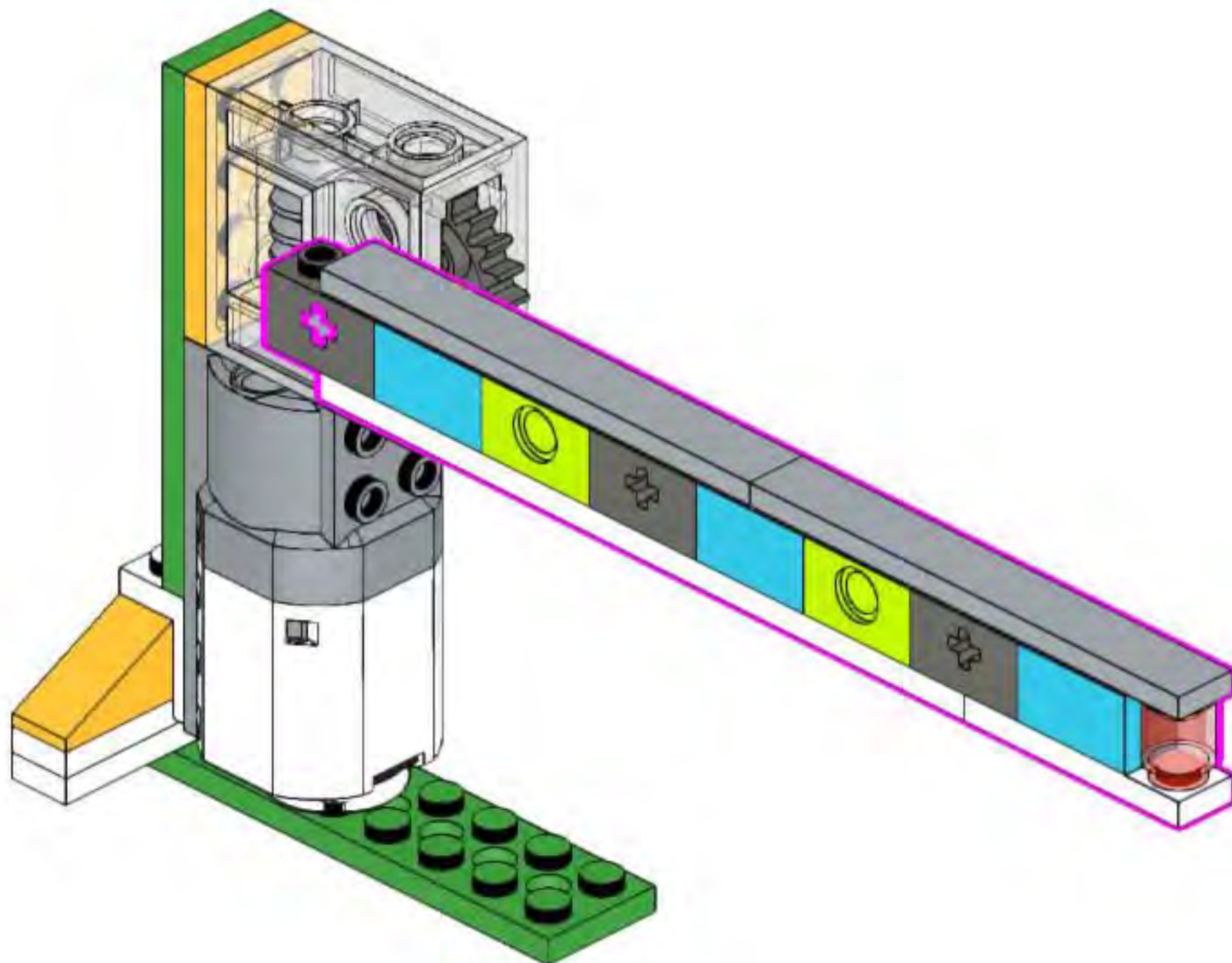


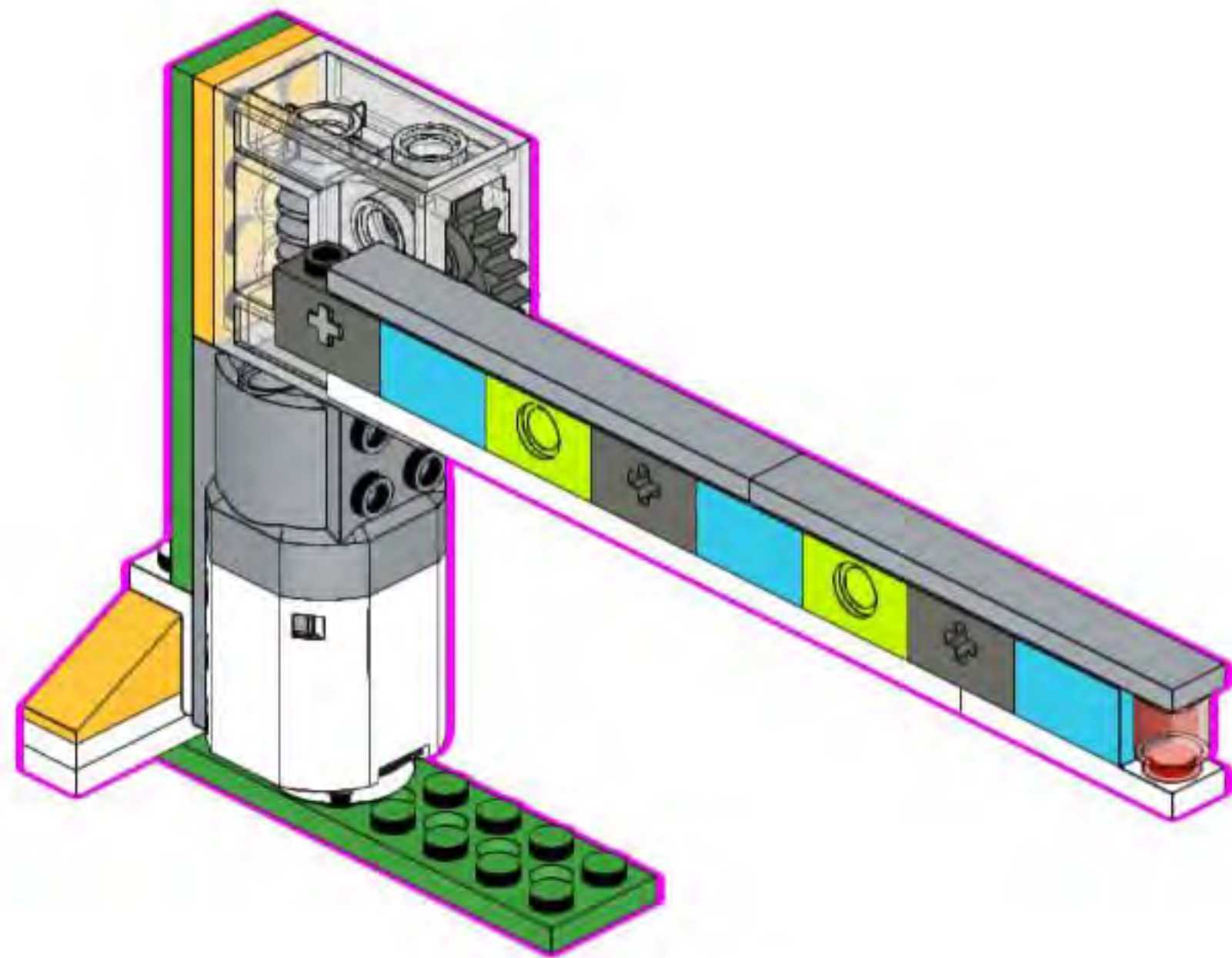
1x

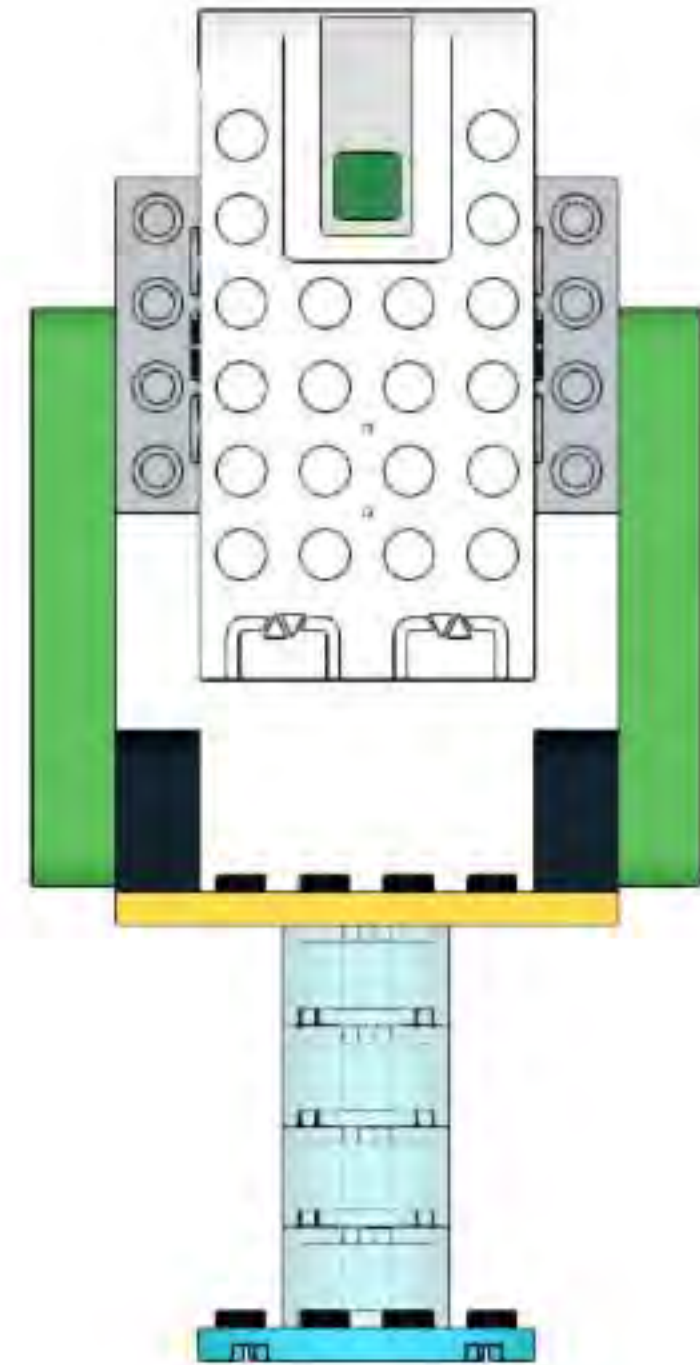
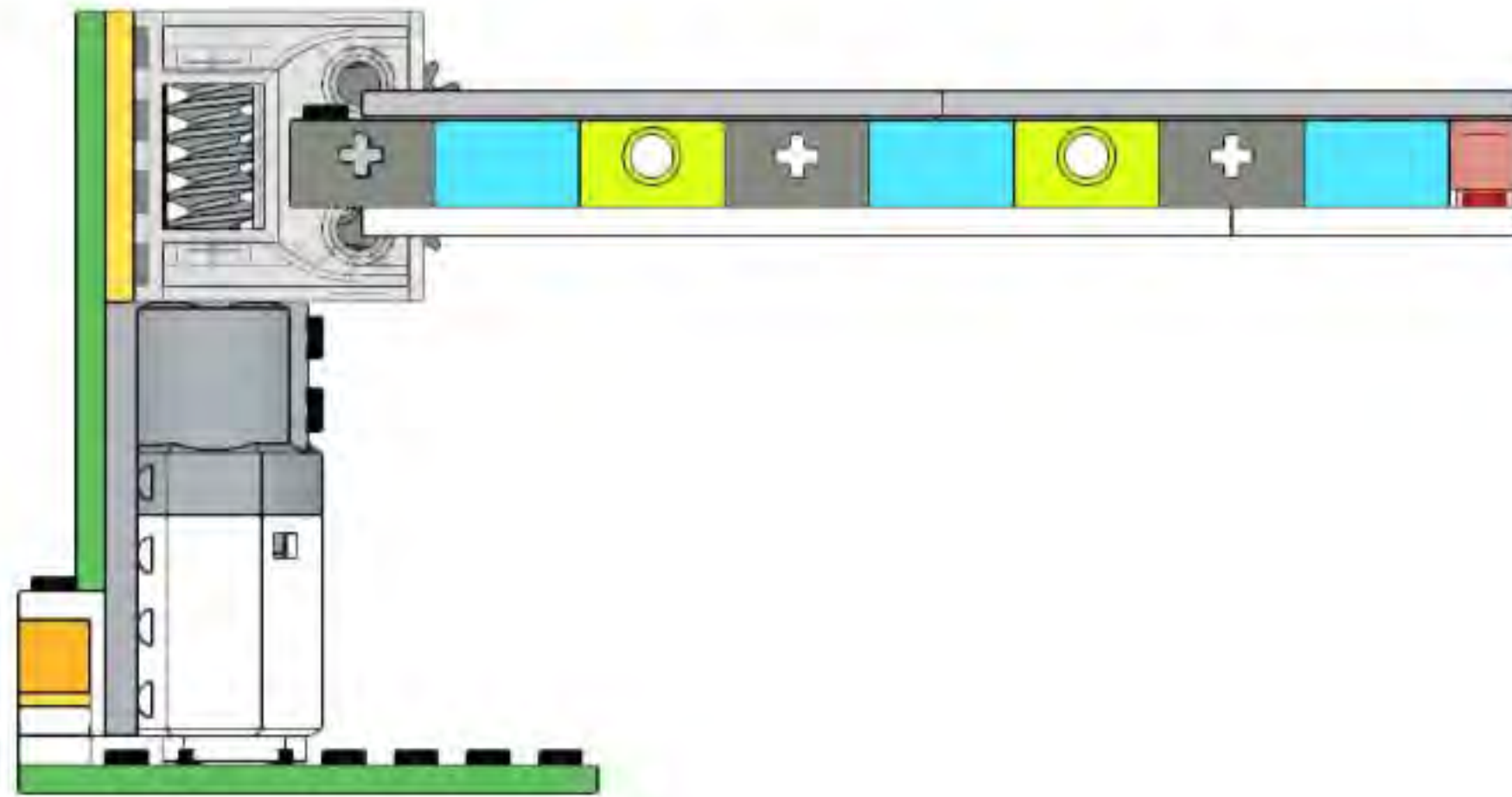










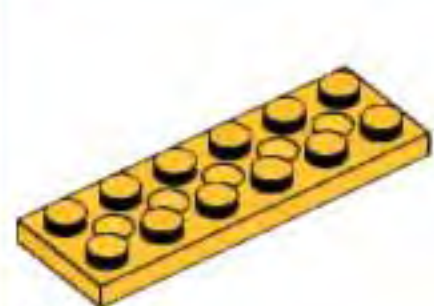


Task 1

We need to make sure that the traffic light turns yellow for 2 seconds, so that the cars have time to pass. Then the barrier was lowered and the red light turned on for 5 seconds. Only after that, the green light should light up and the barrier should rise.



Variant B



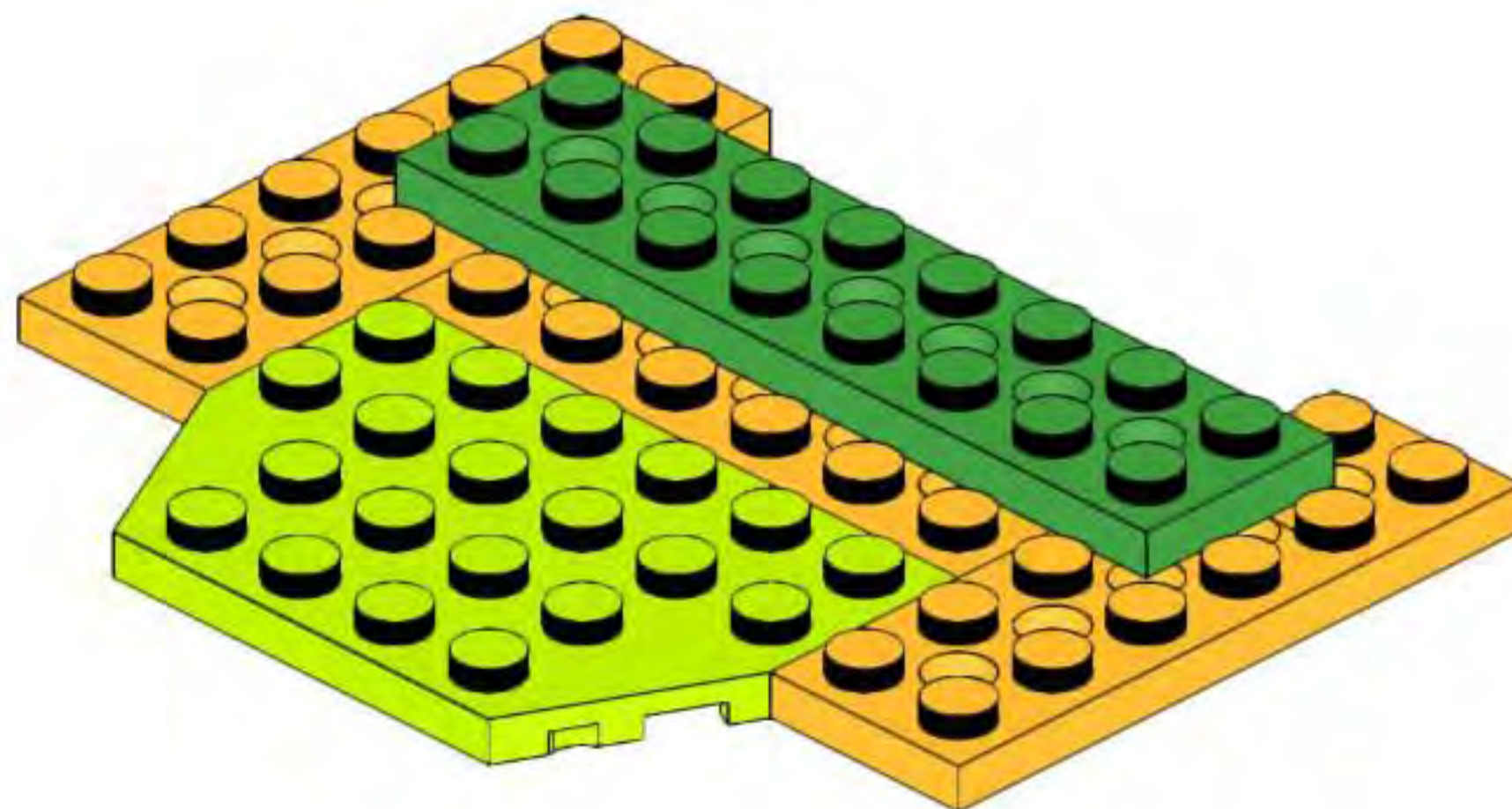
3x

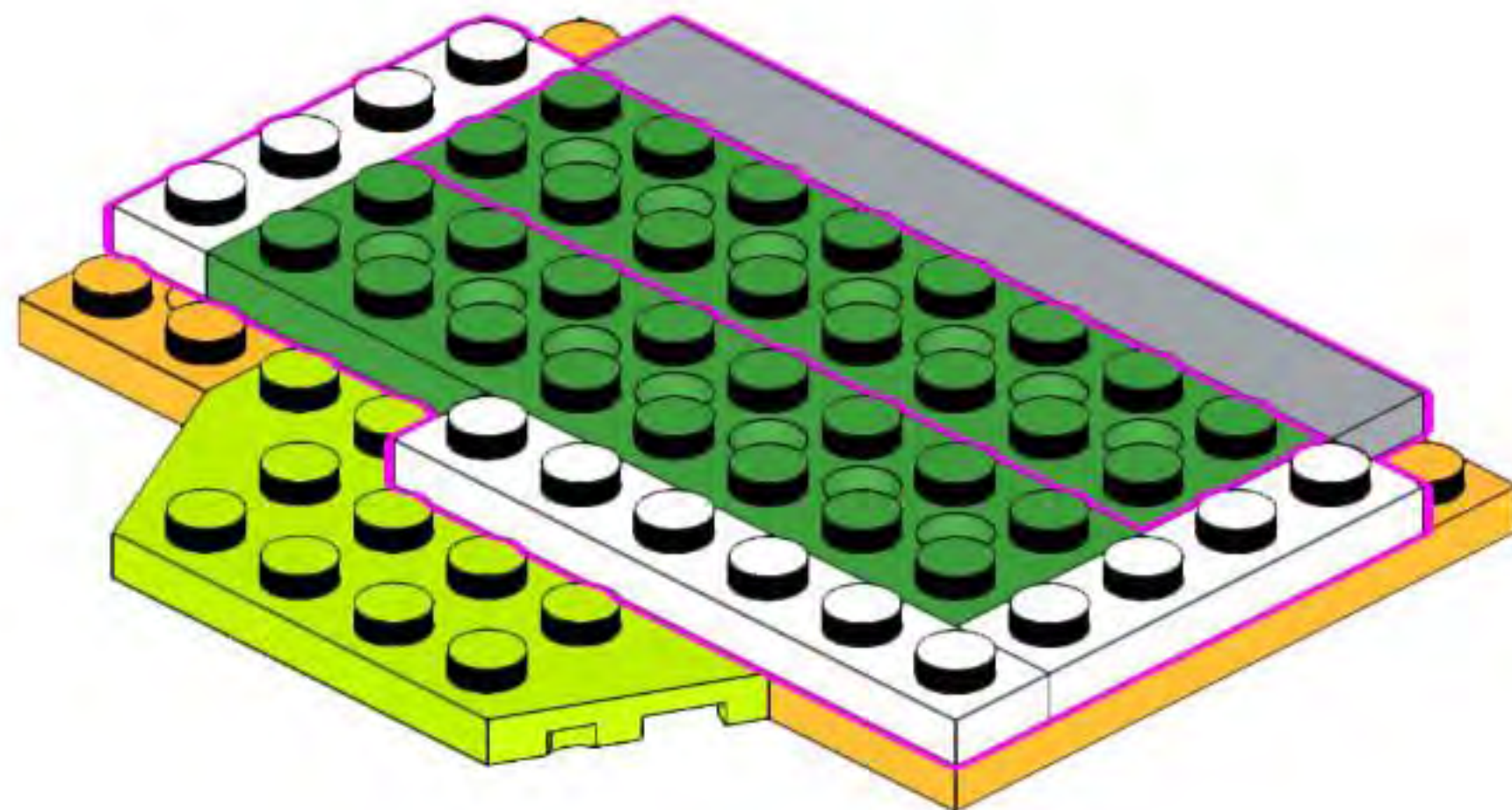
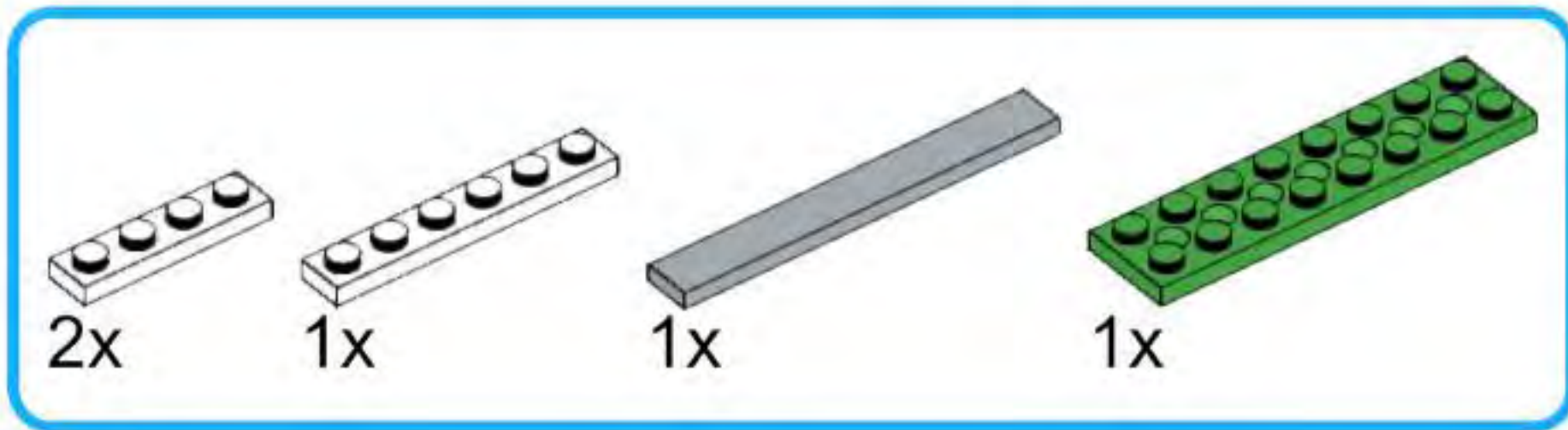


1x



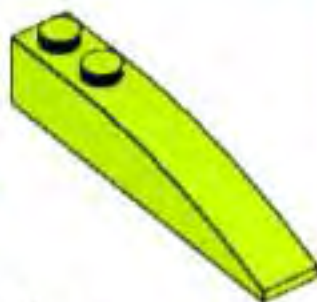
1x



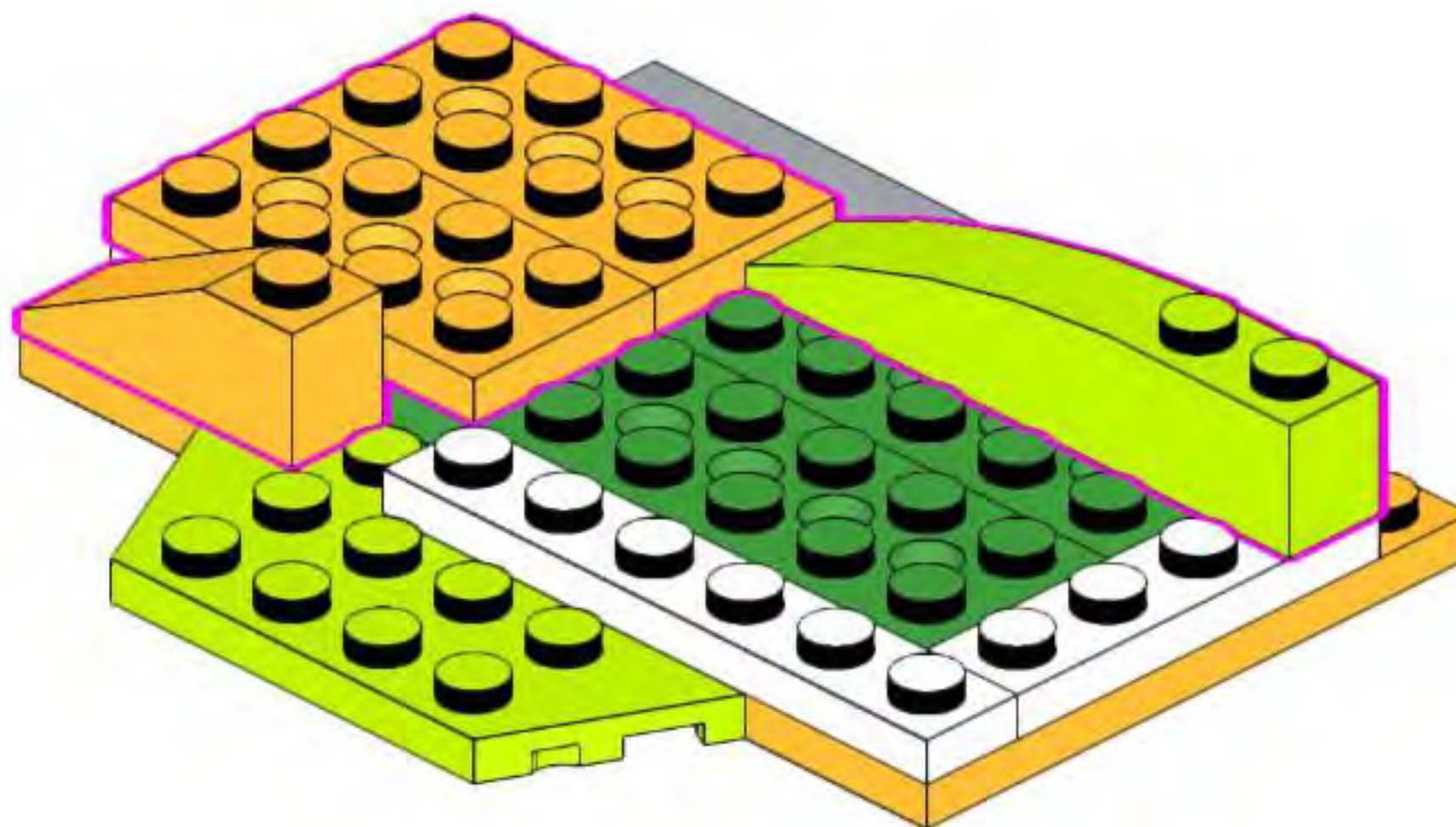


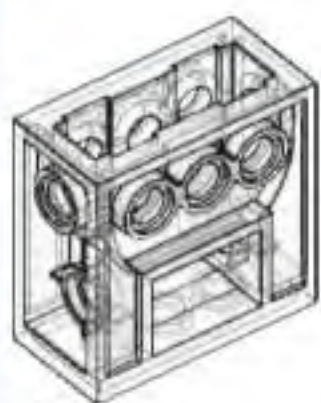


1x

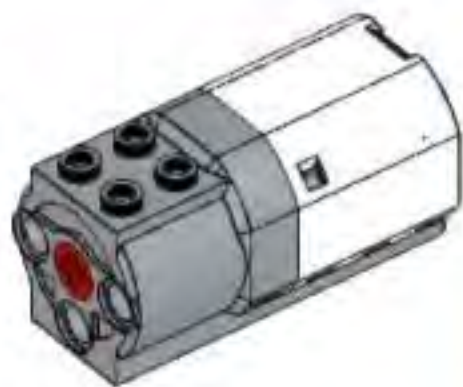
 $2x$ 

1x

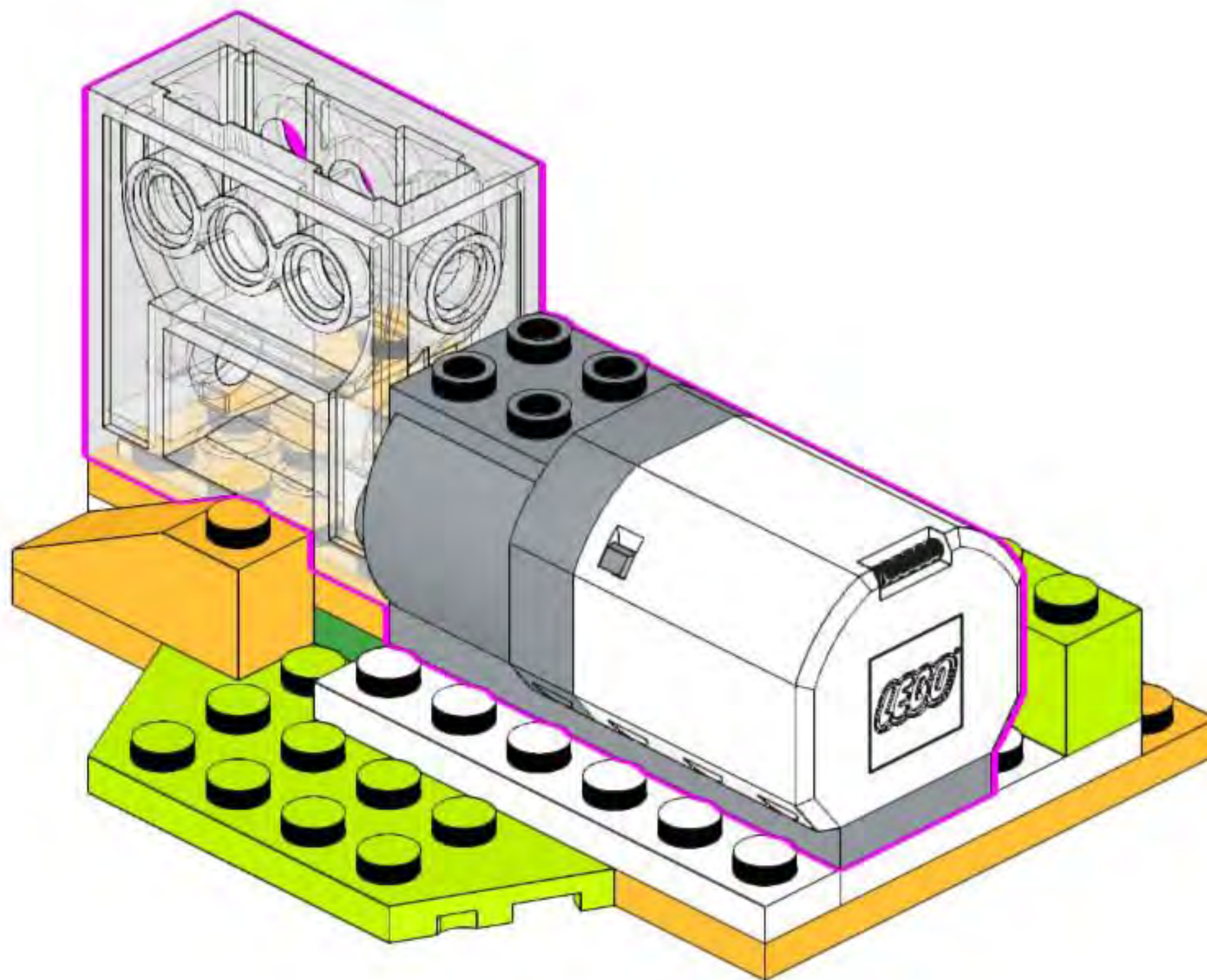


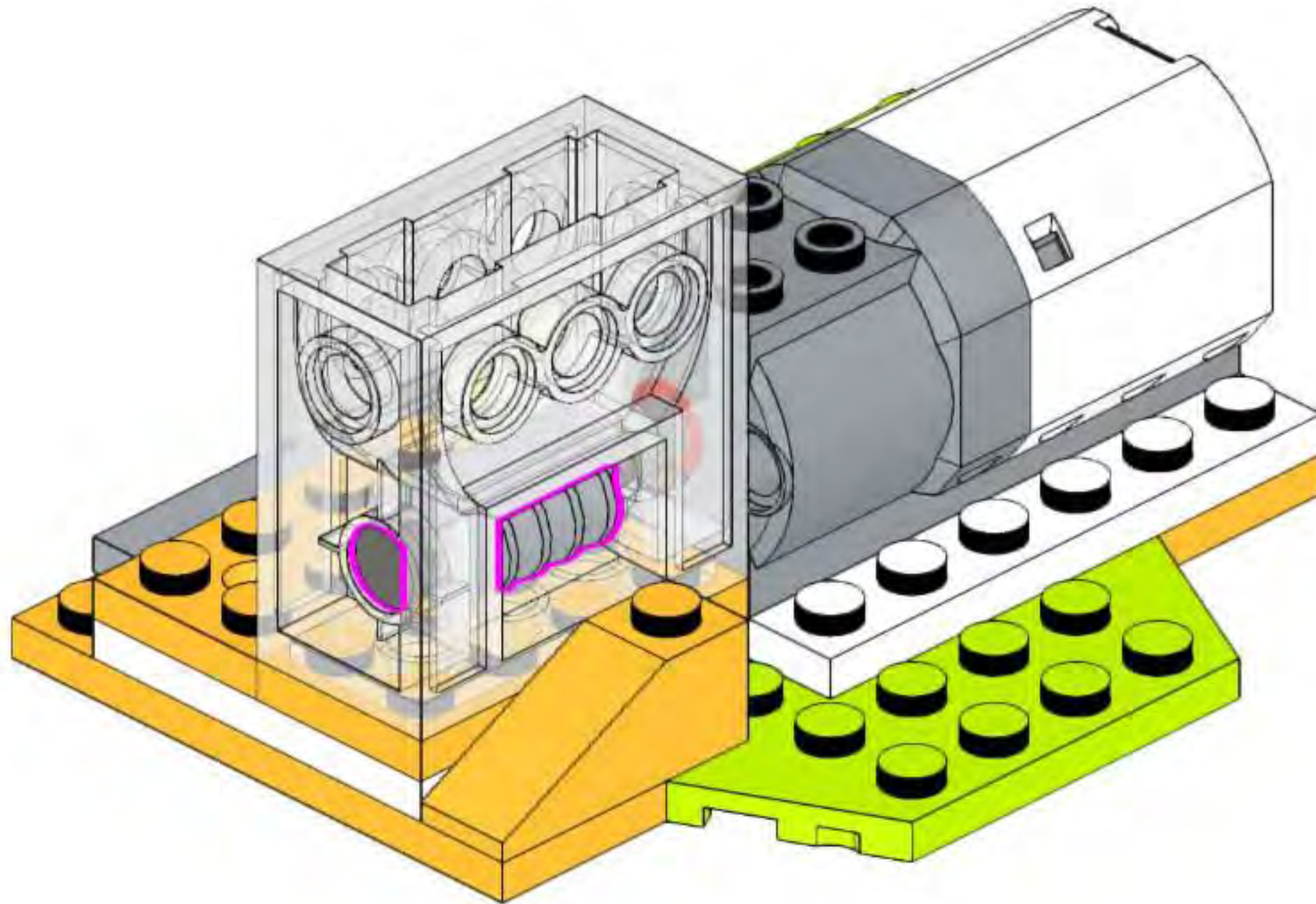
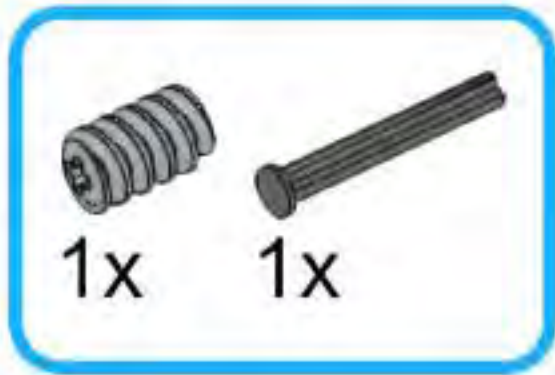


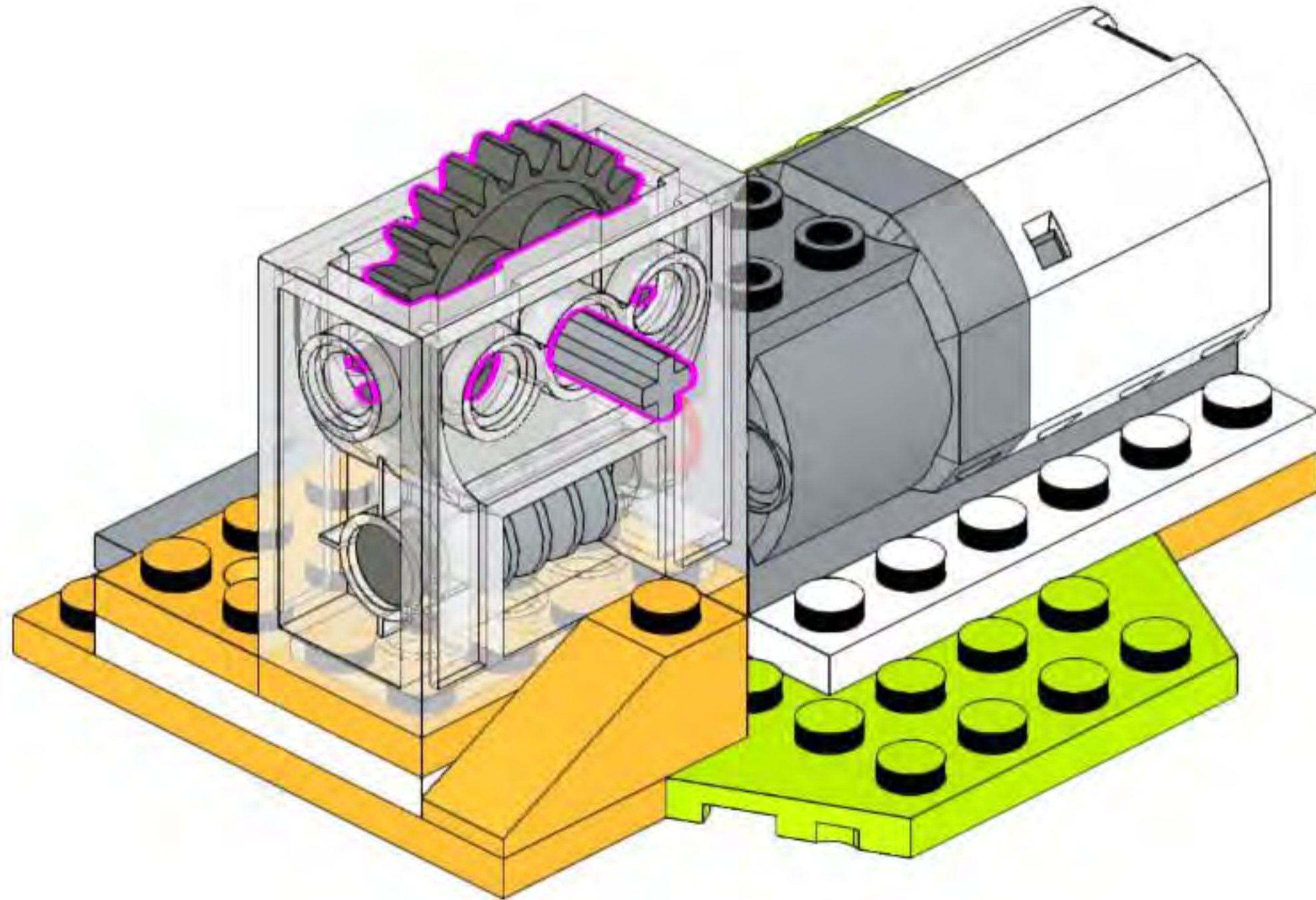
1x

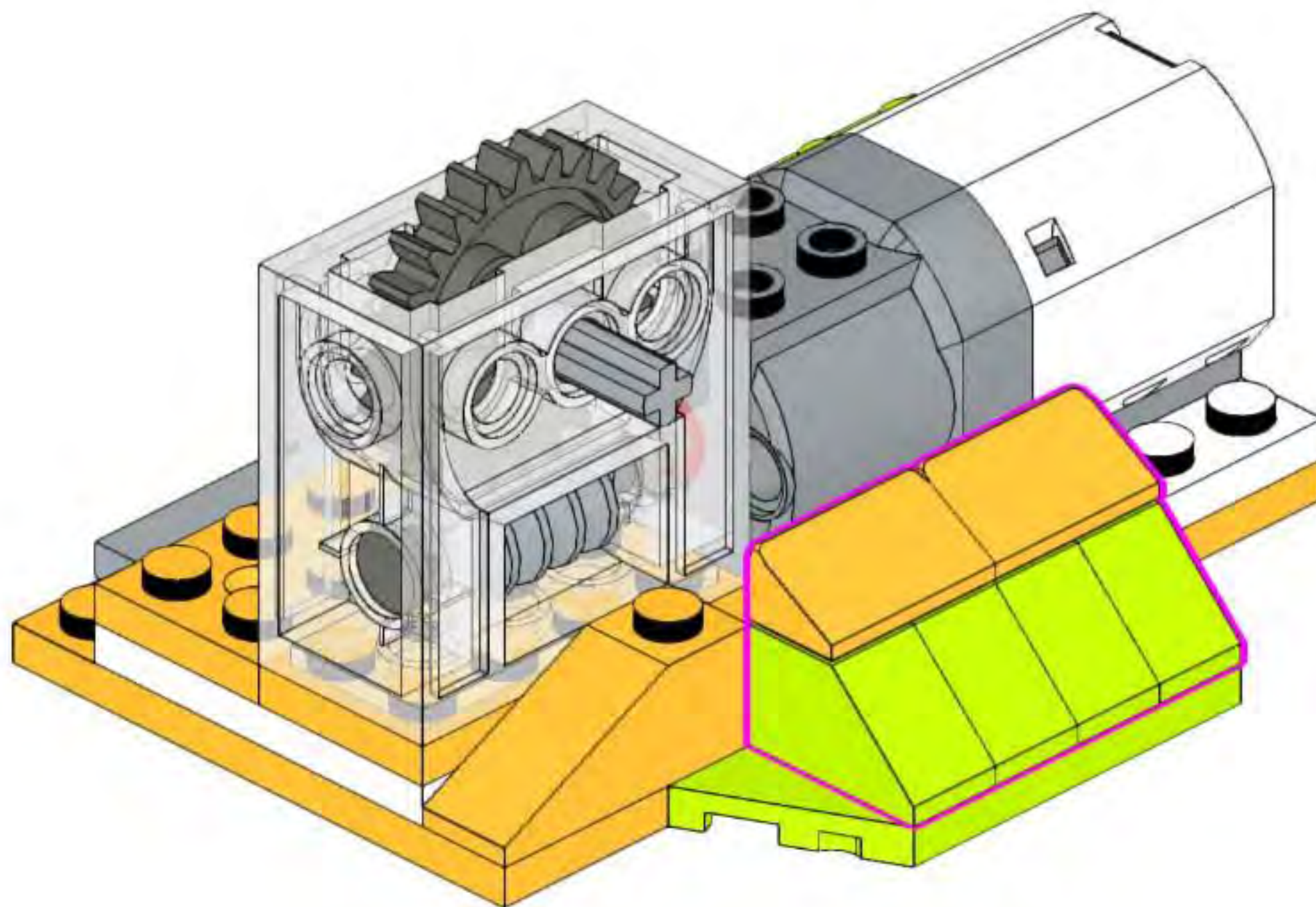
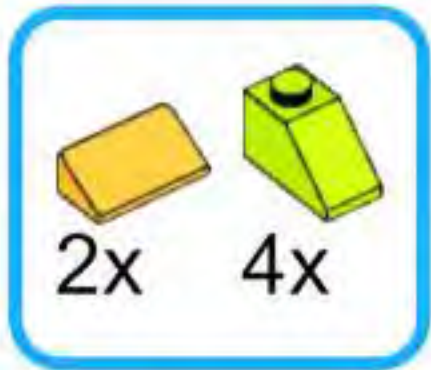


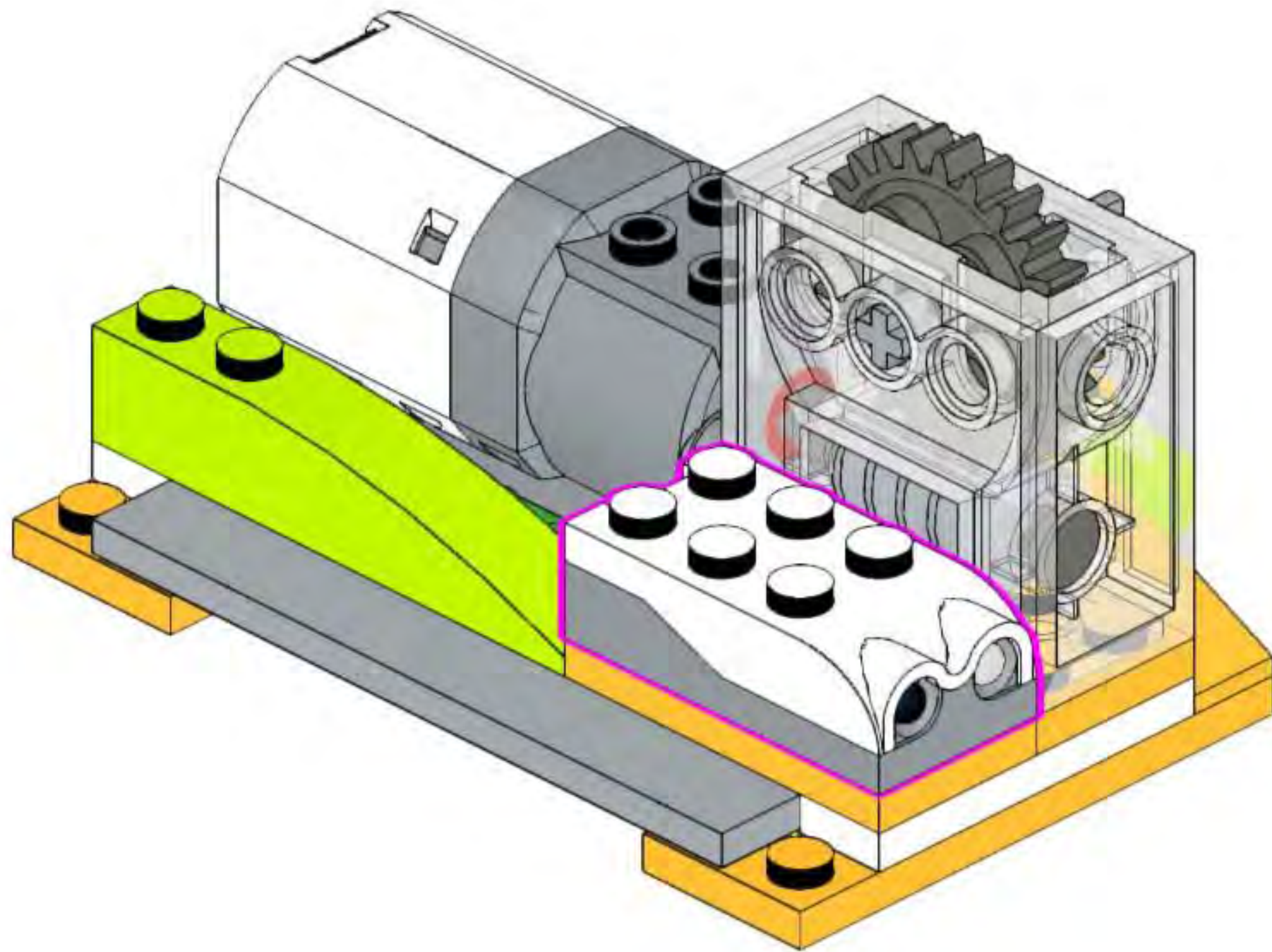
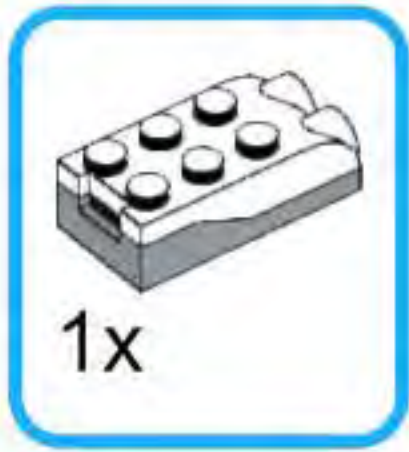
1x

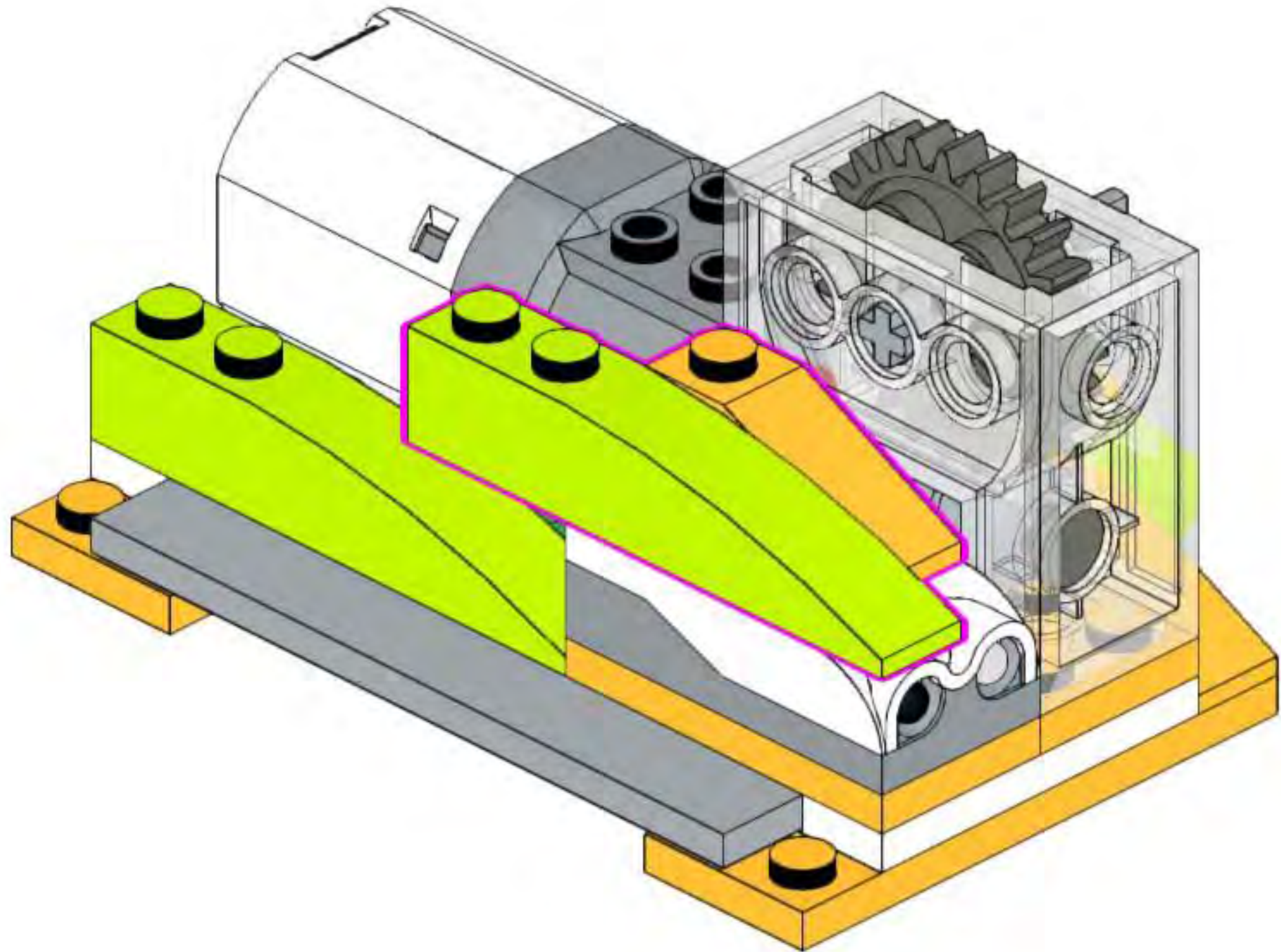
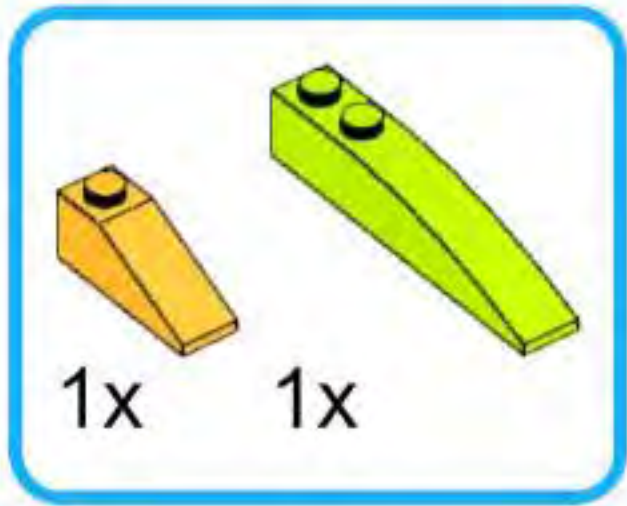


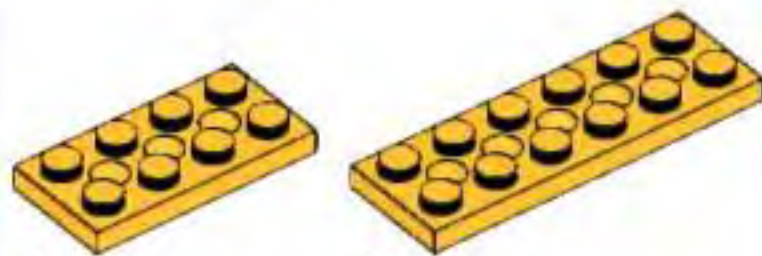
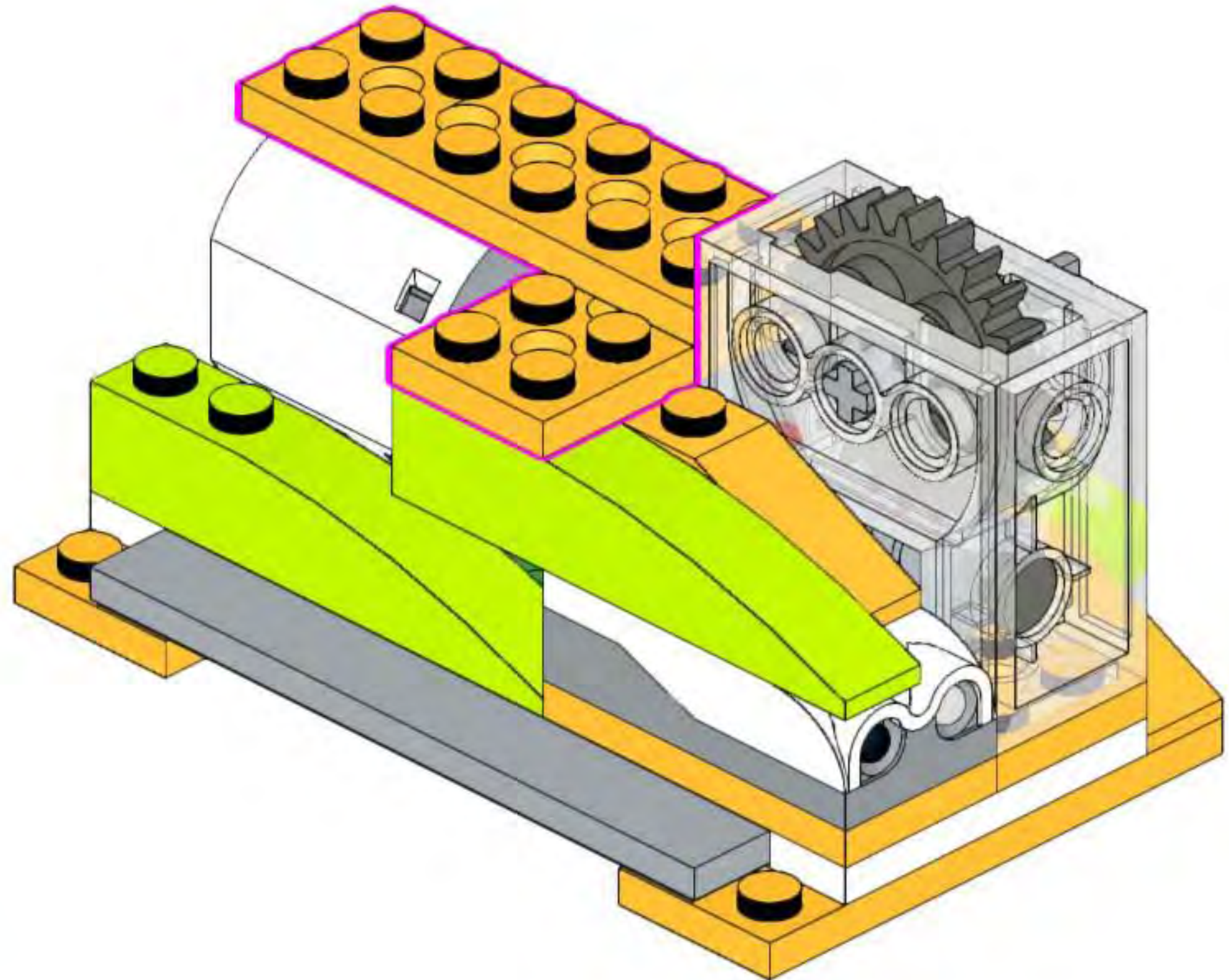






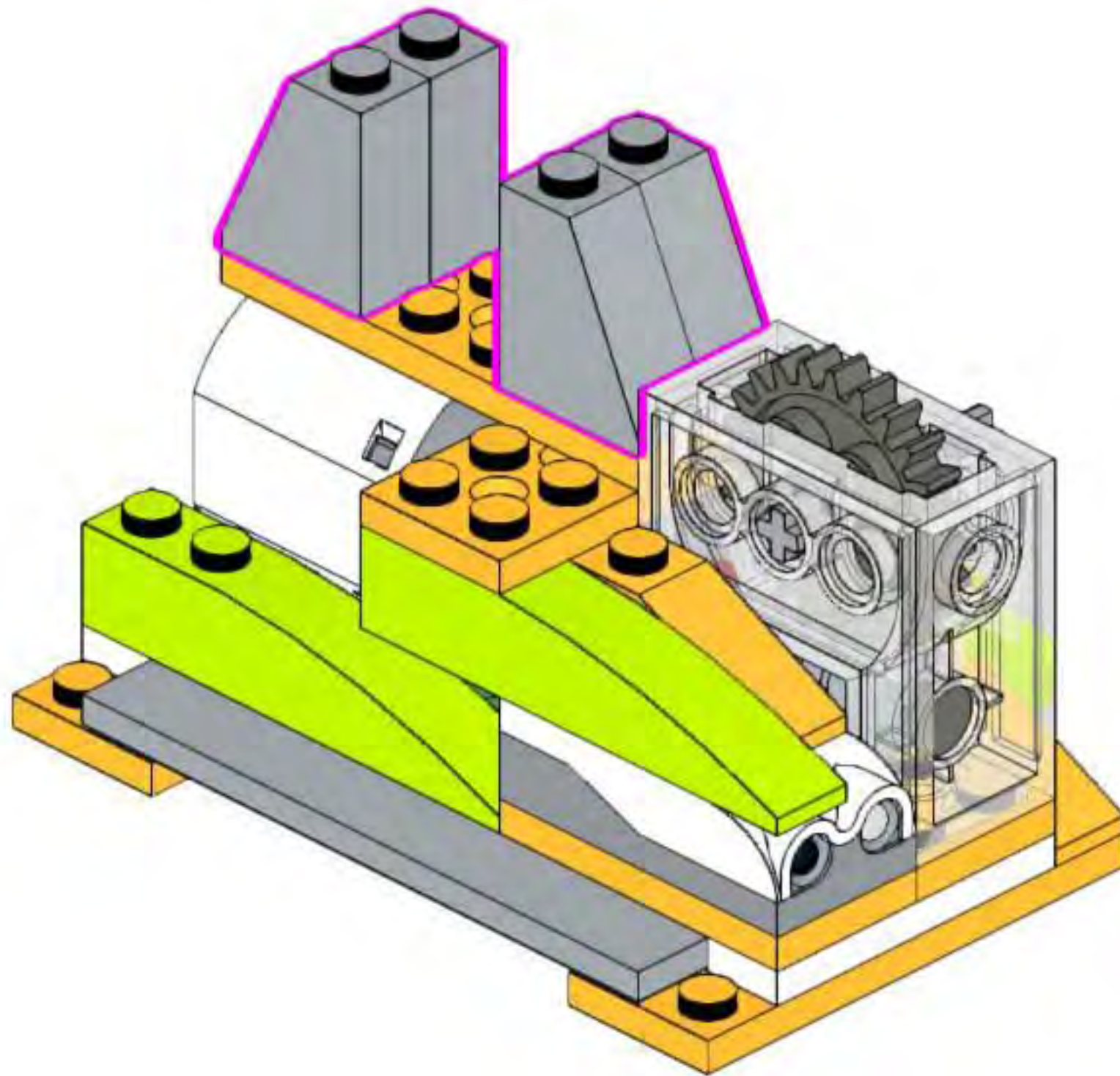
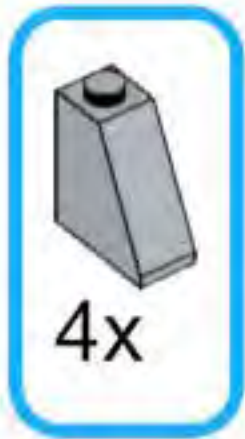


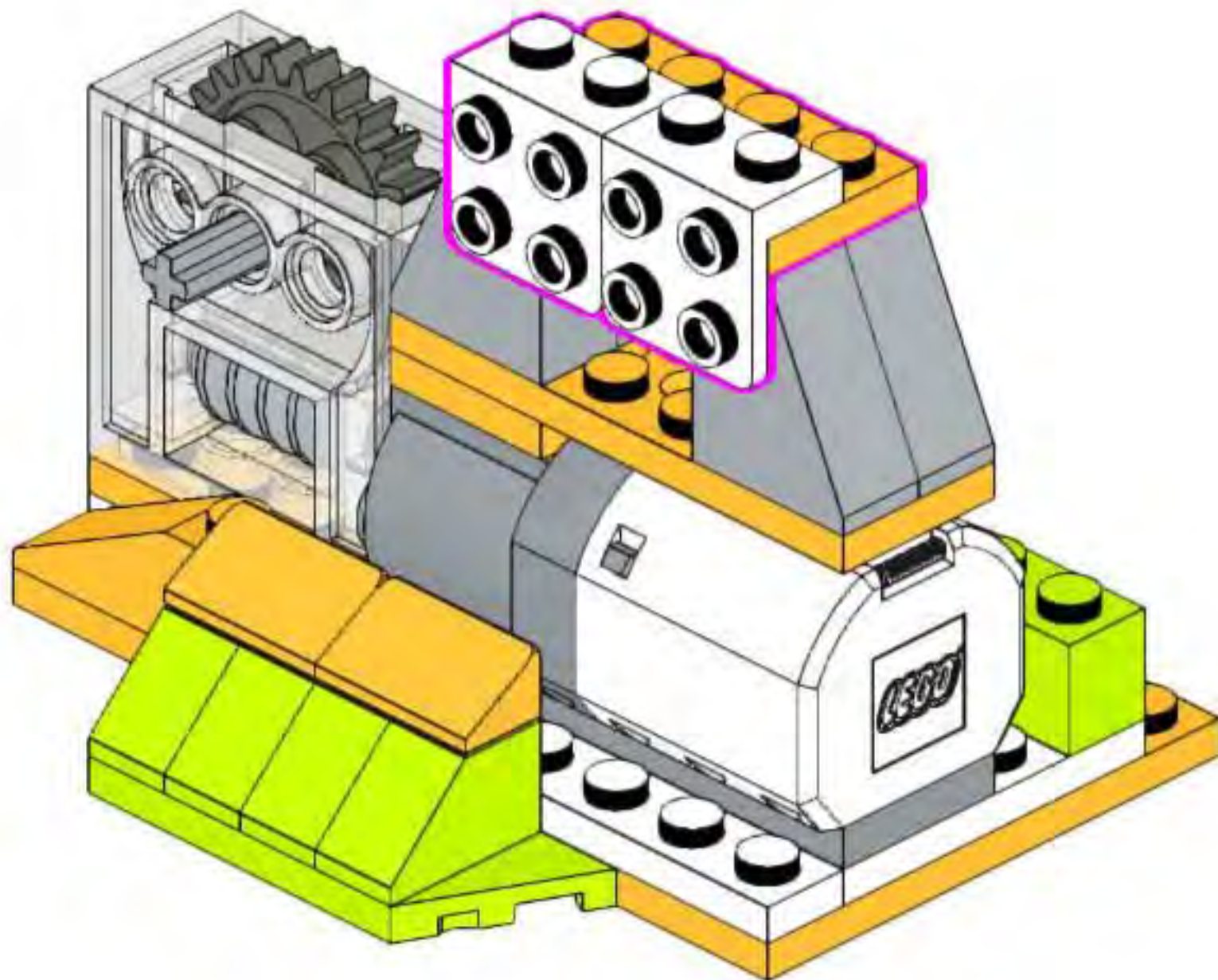
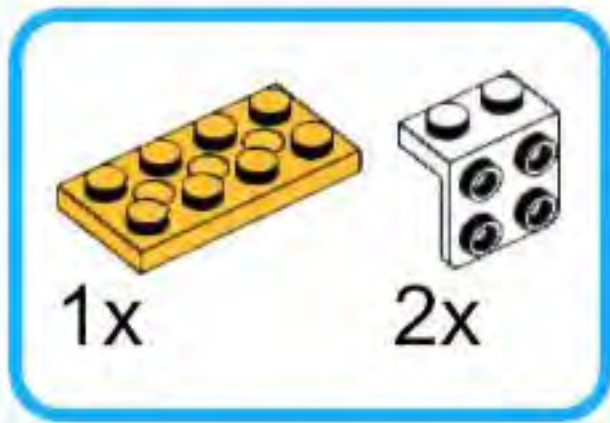


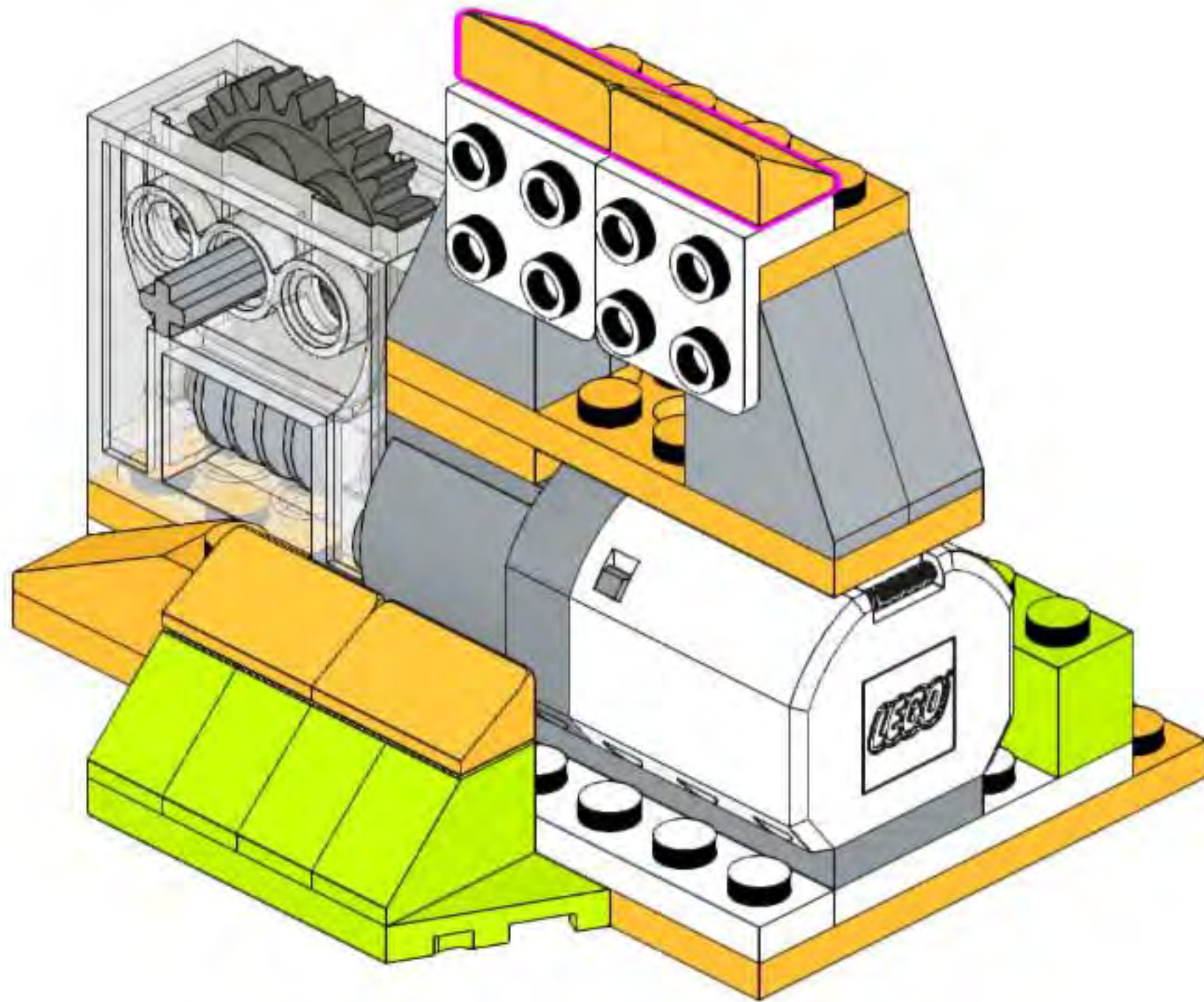
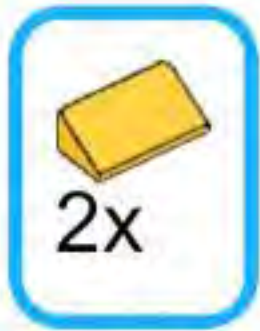


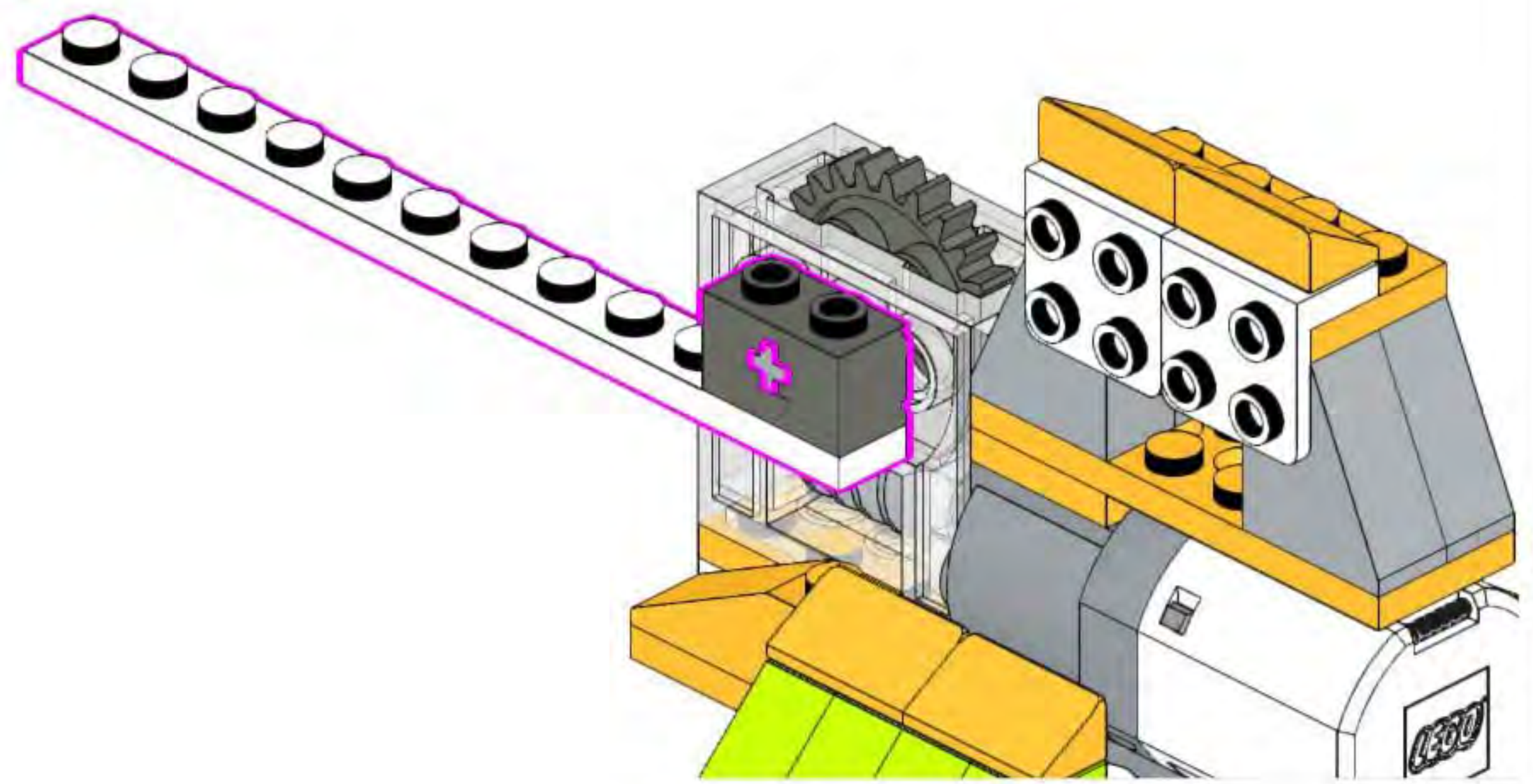
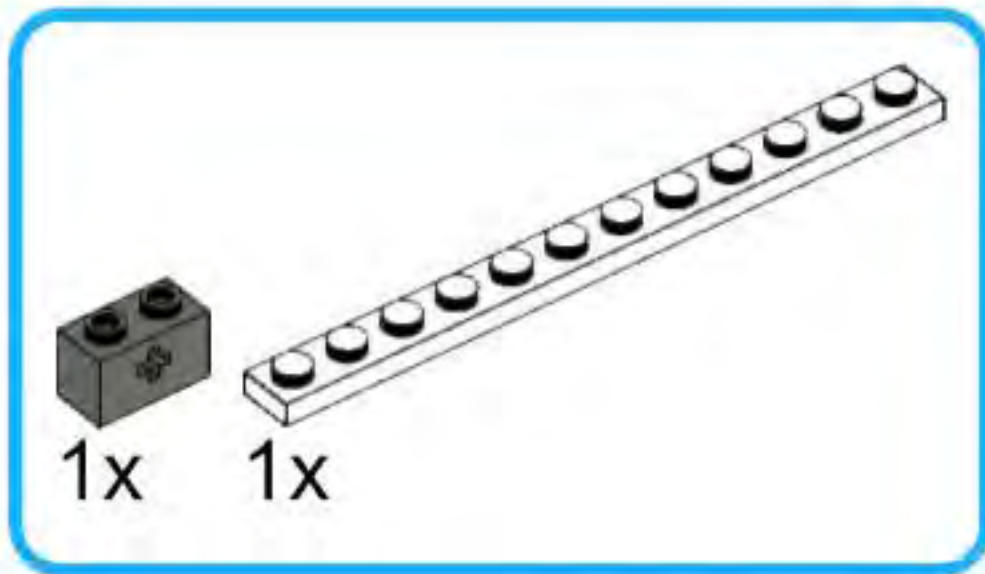
1x

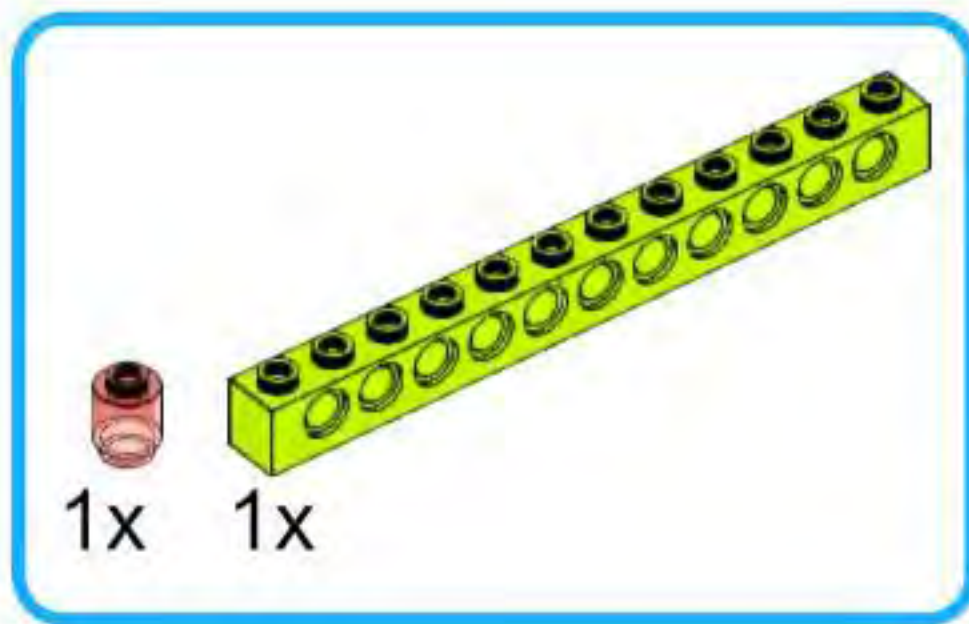
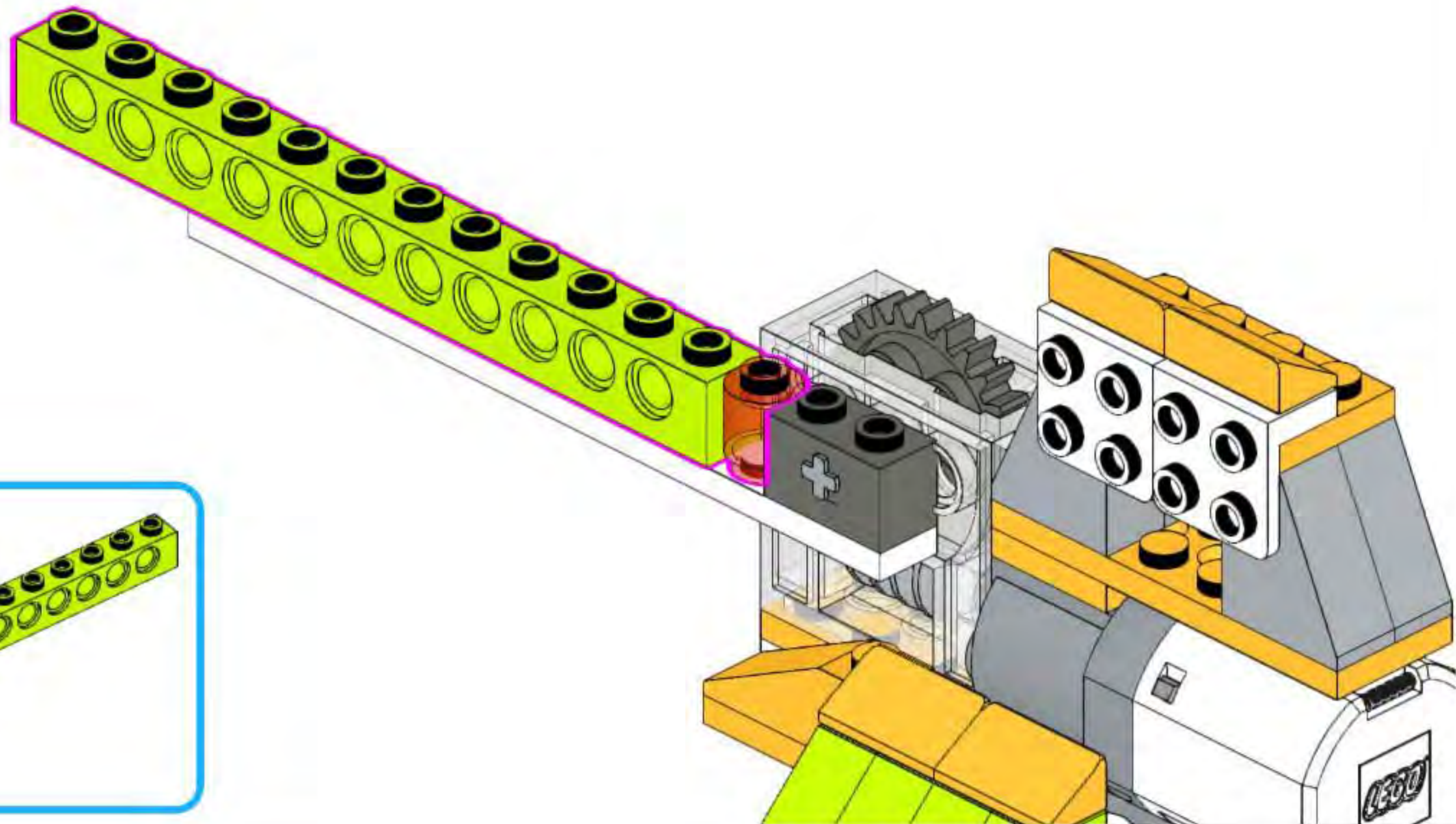
1x

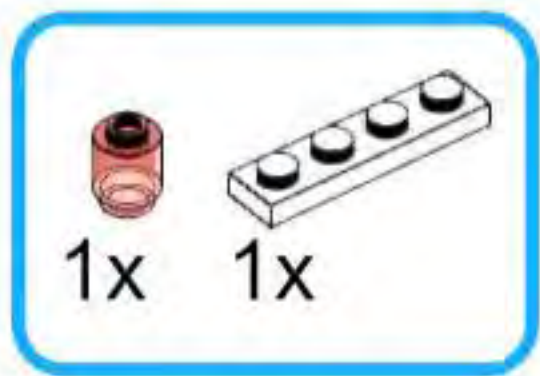
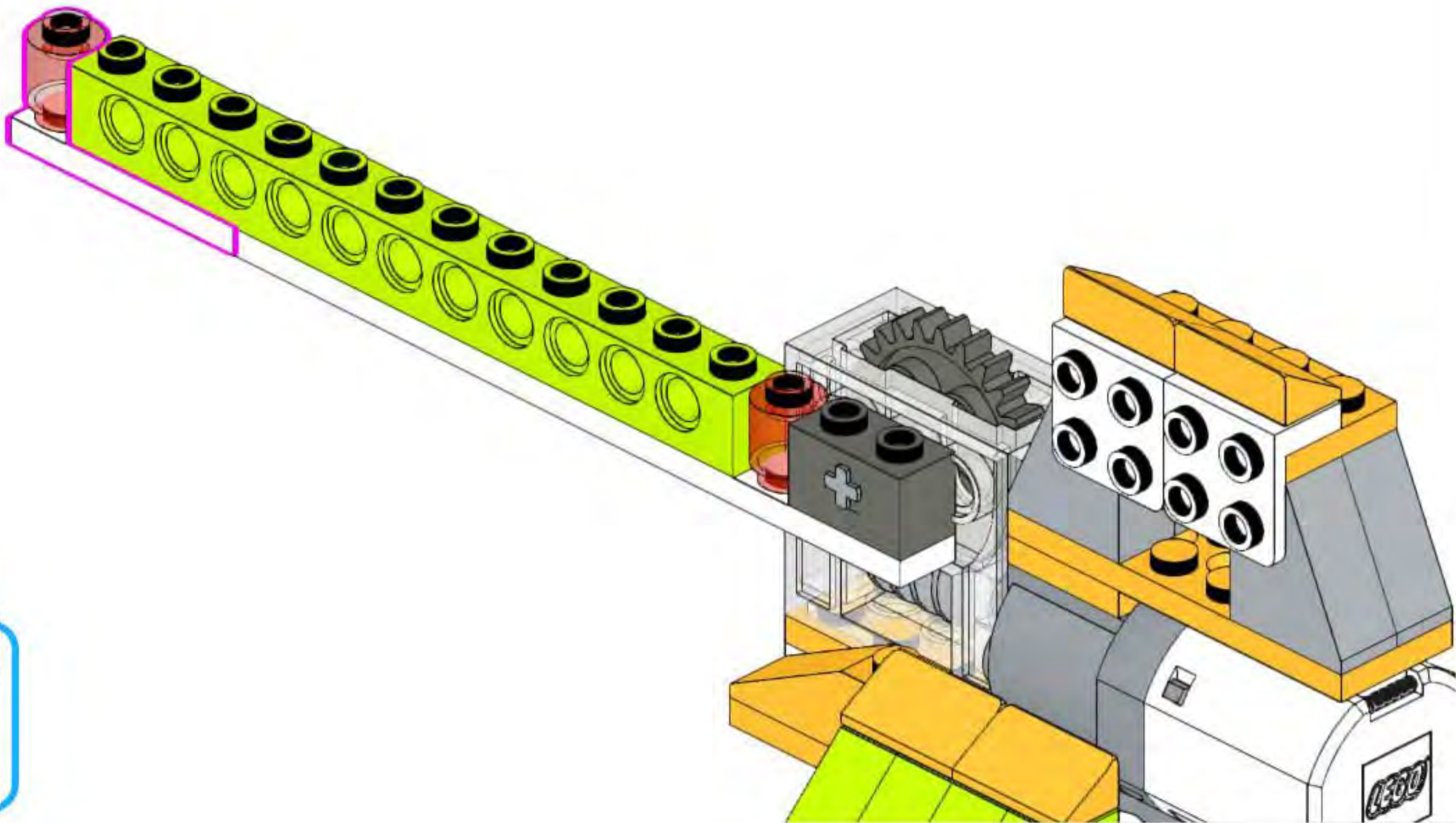


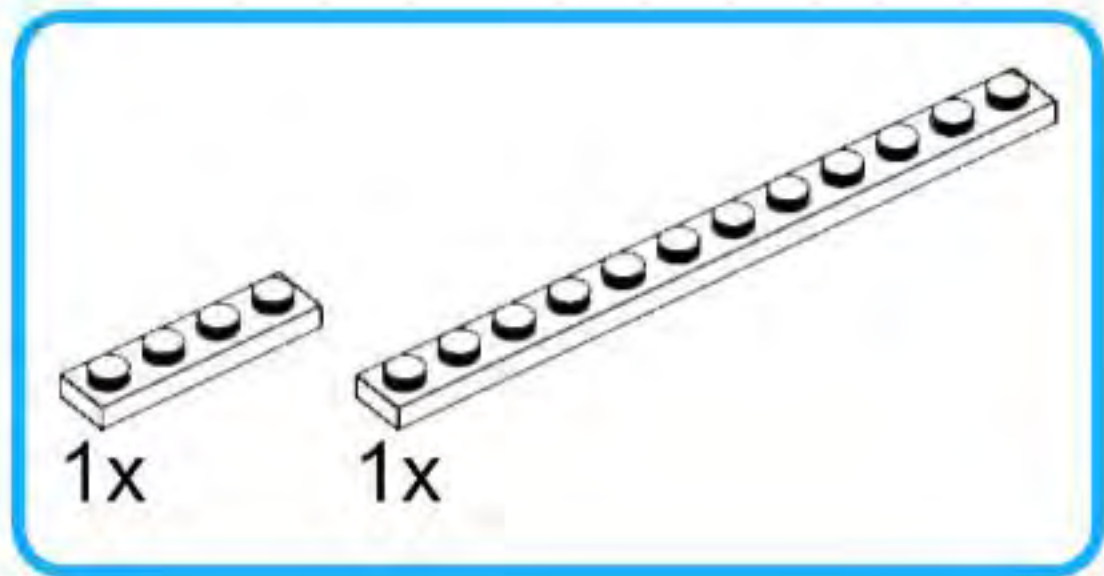
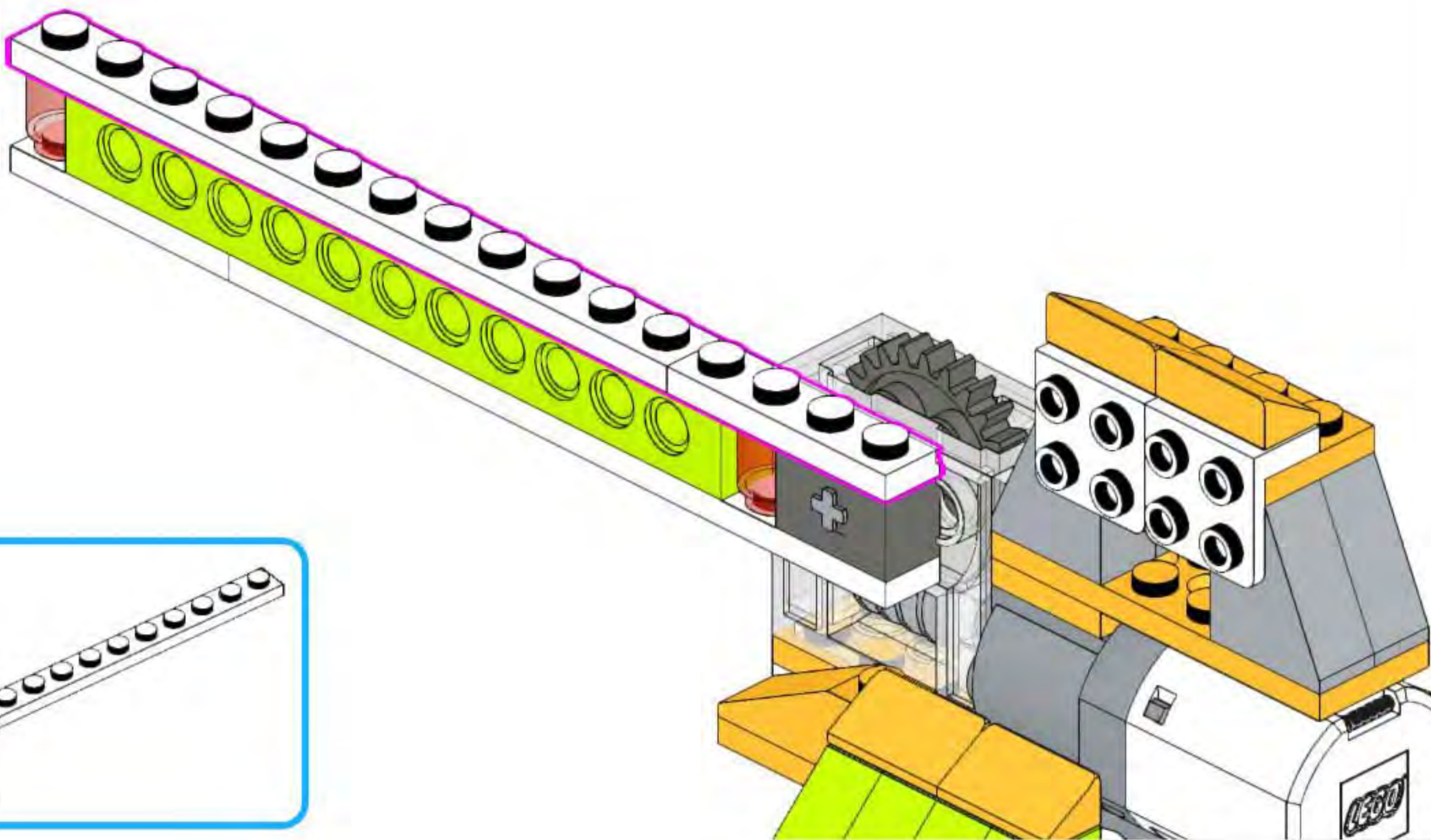


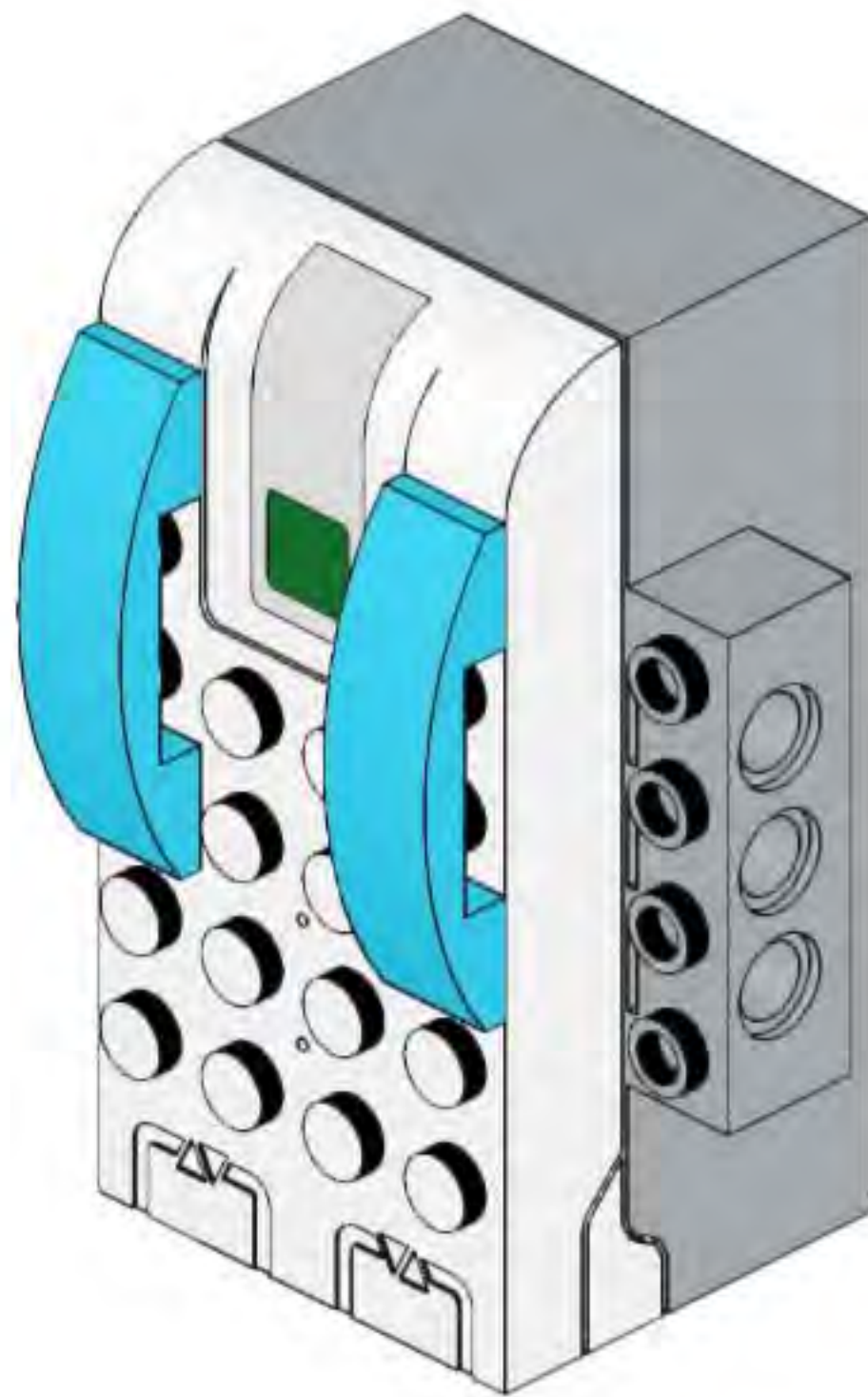
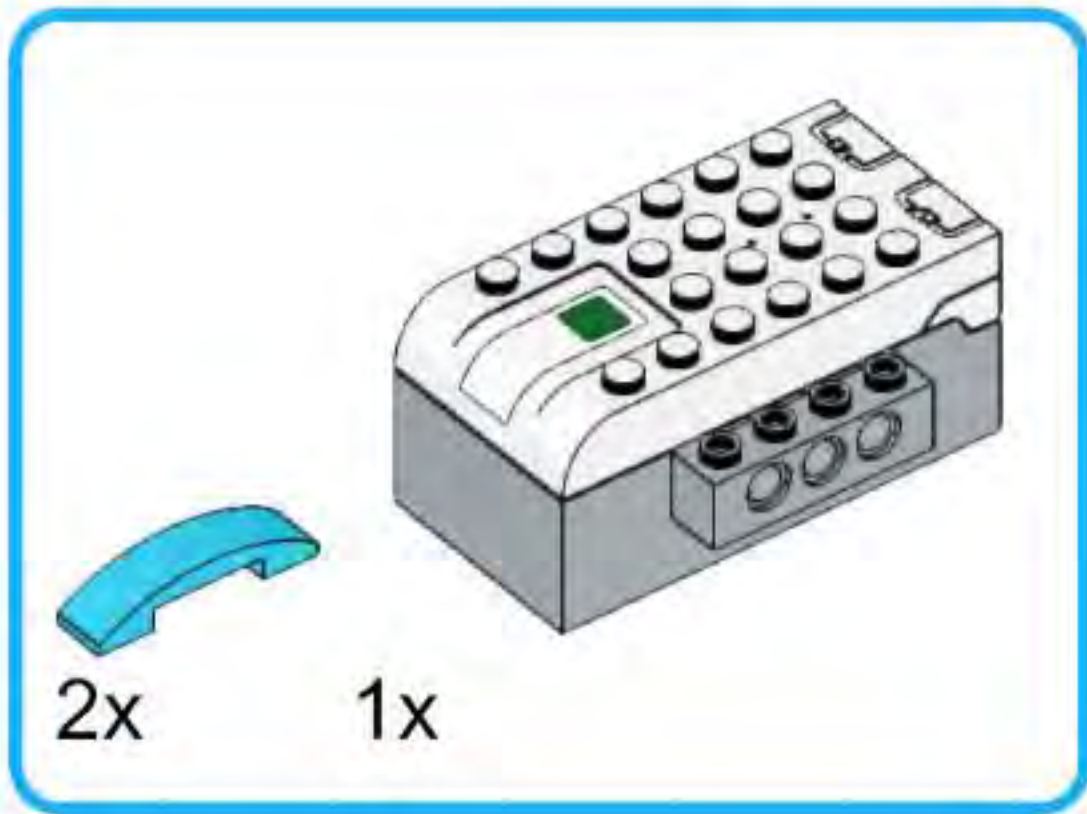


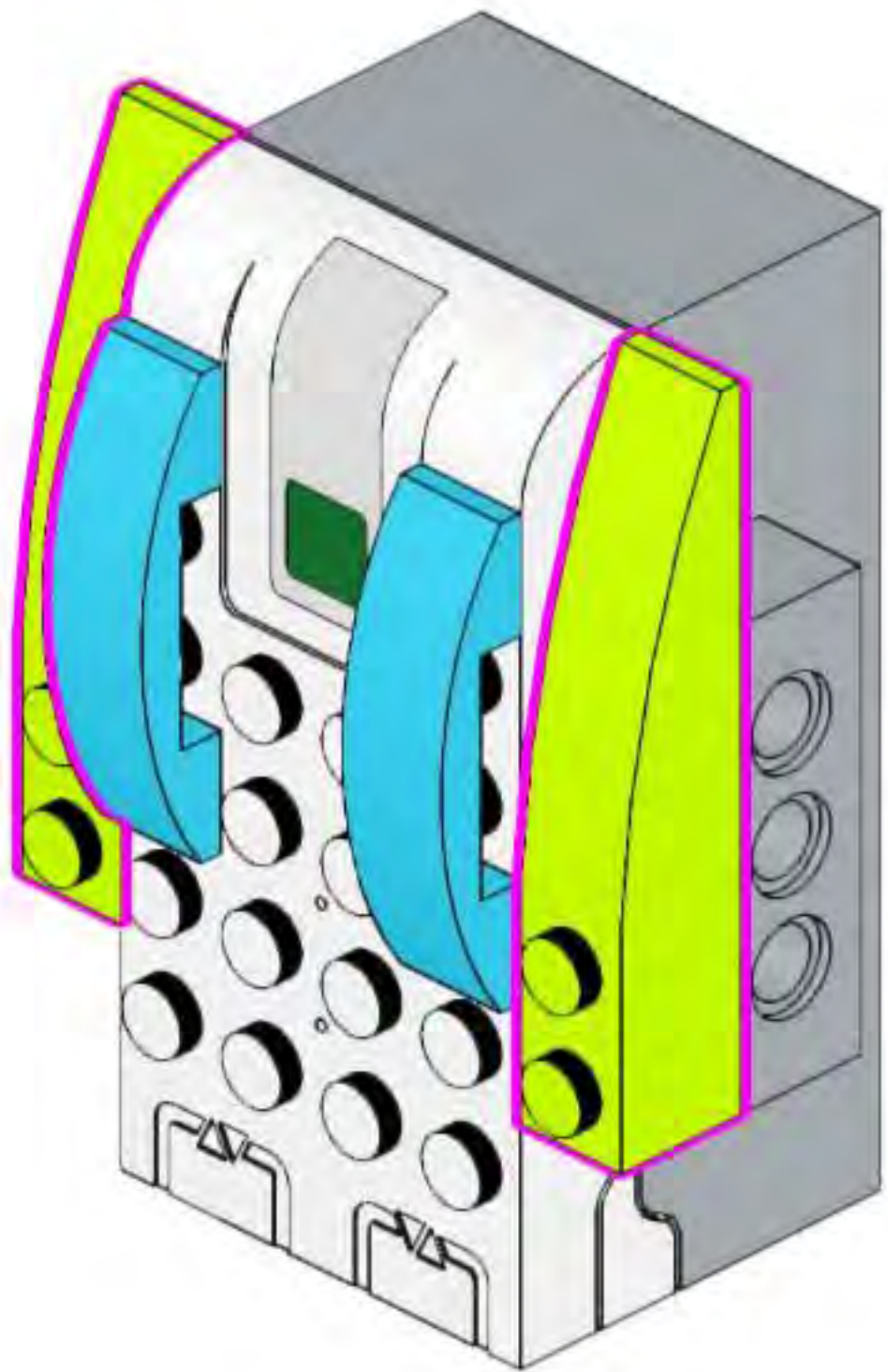
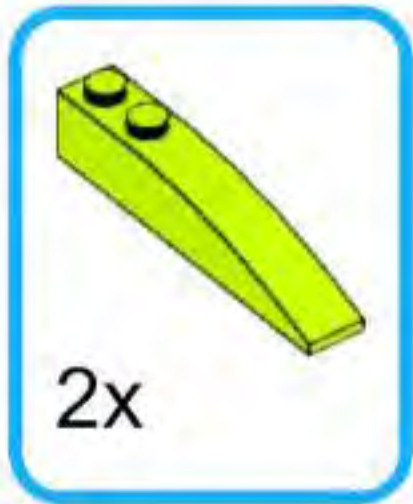


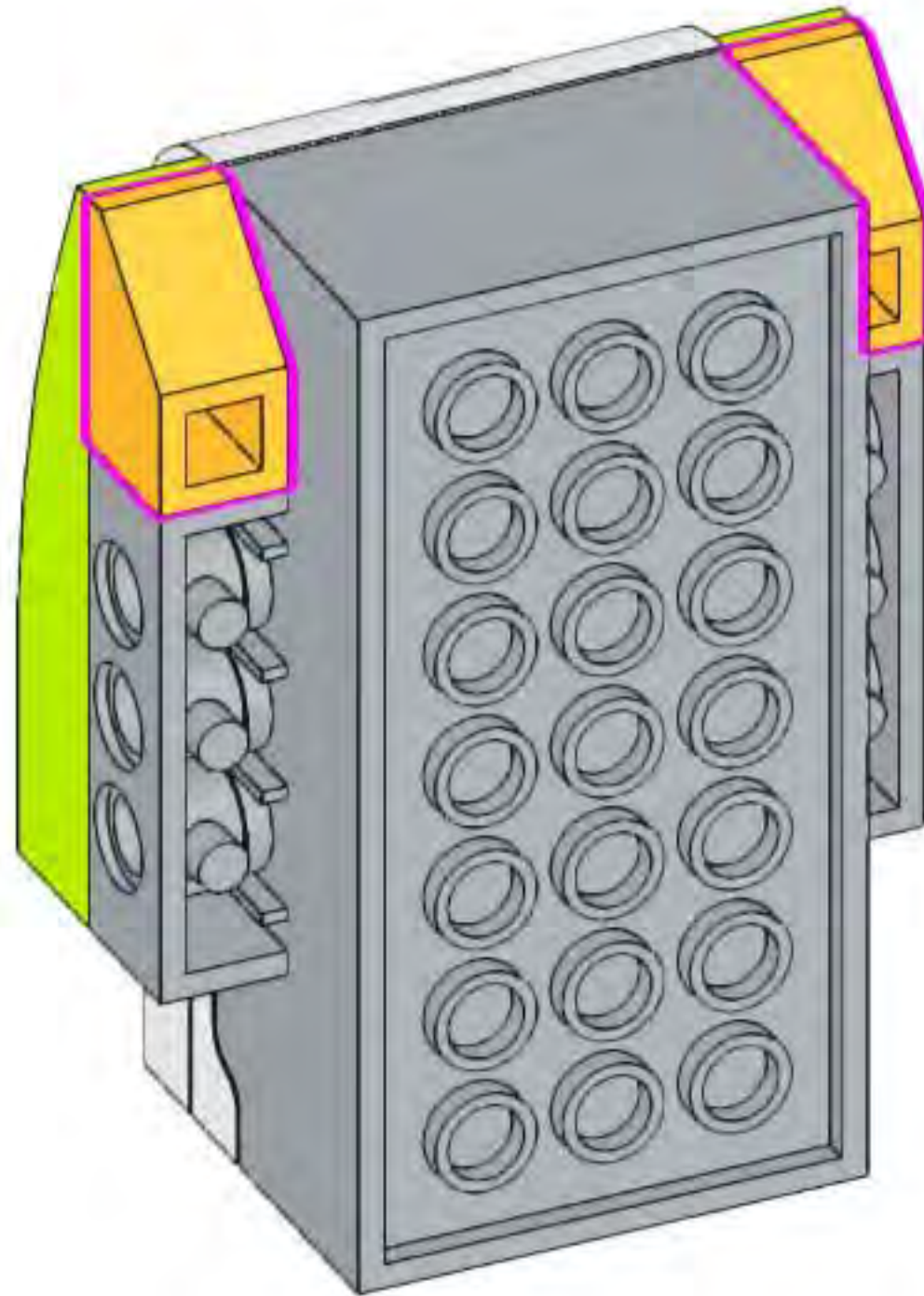


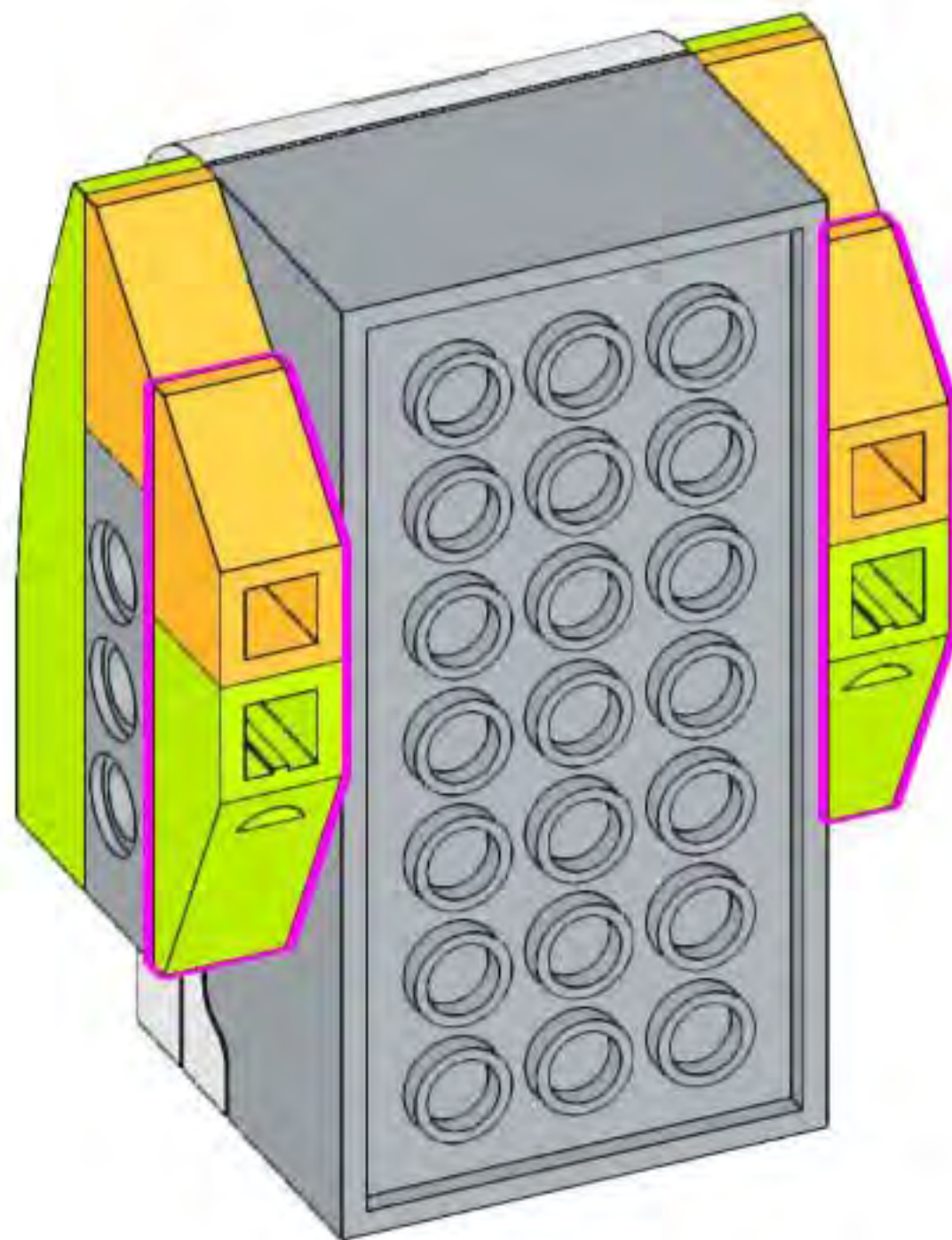
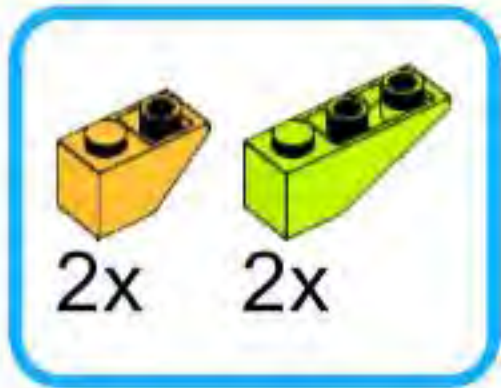


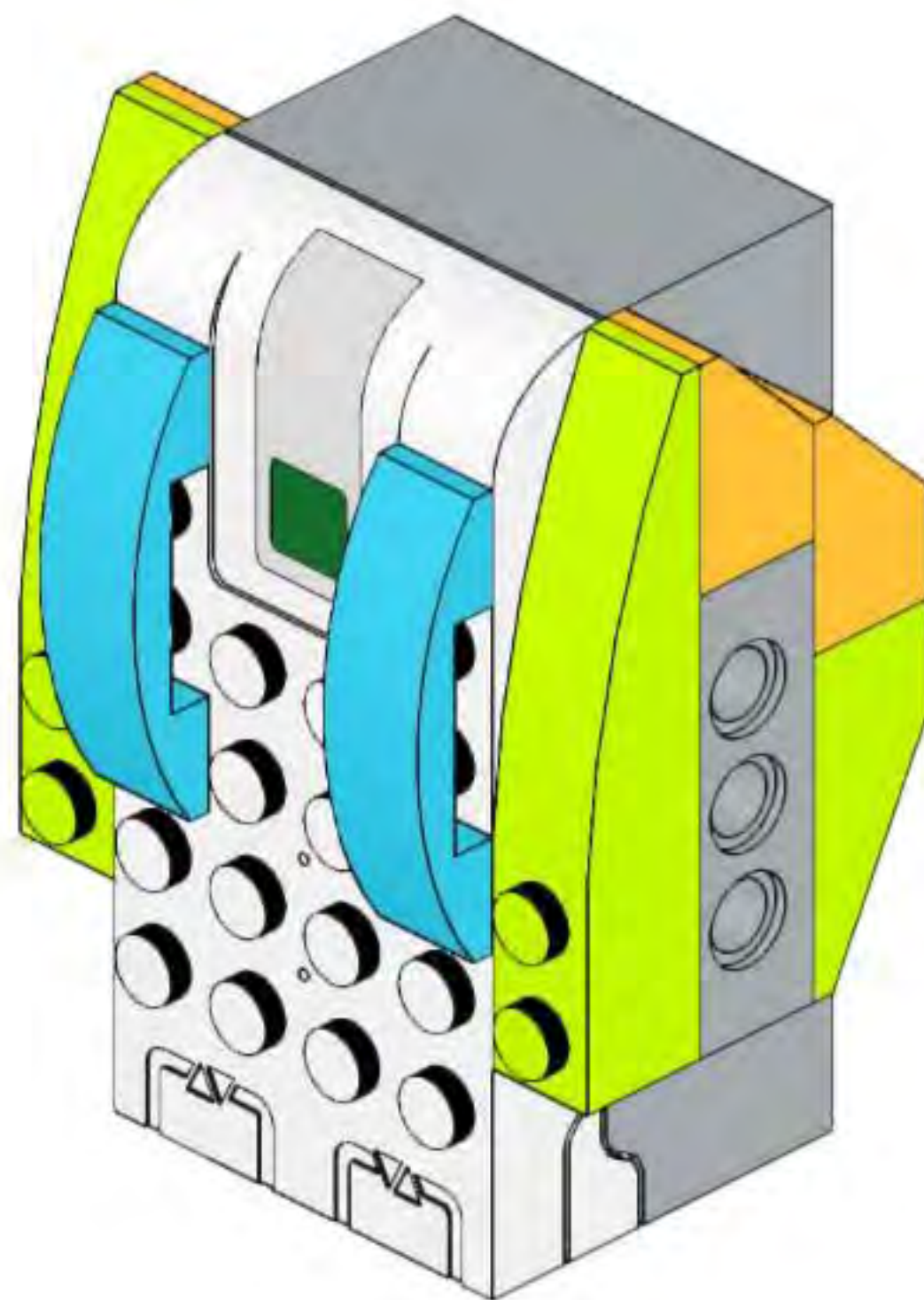


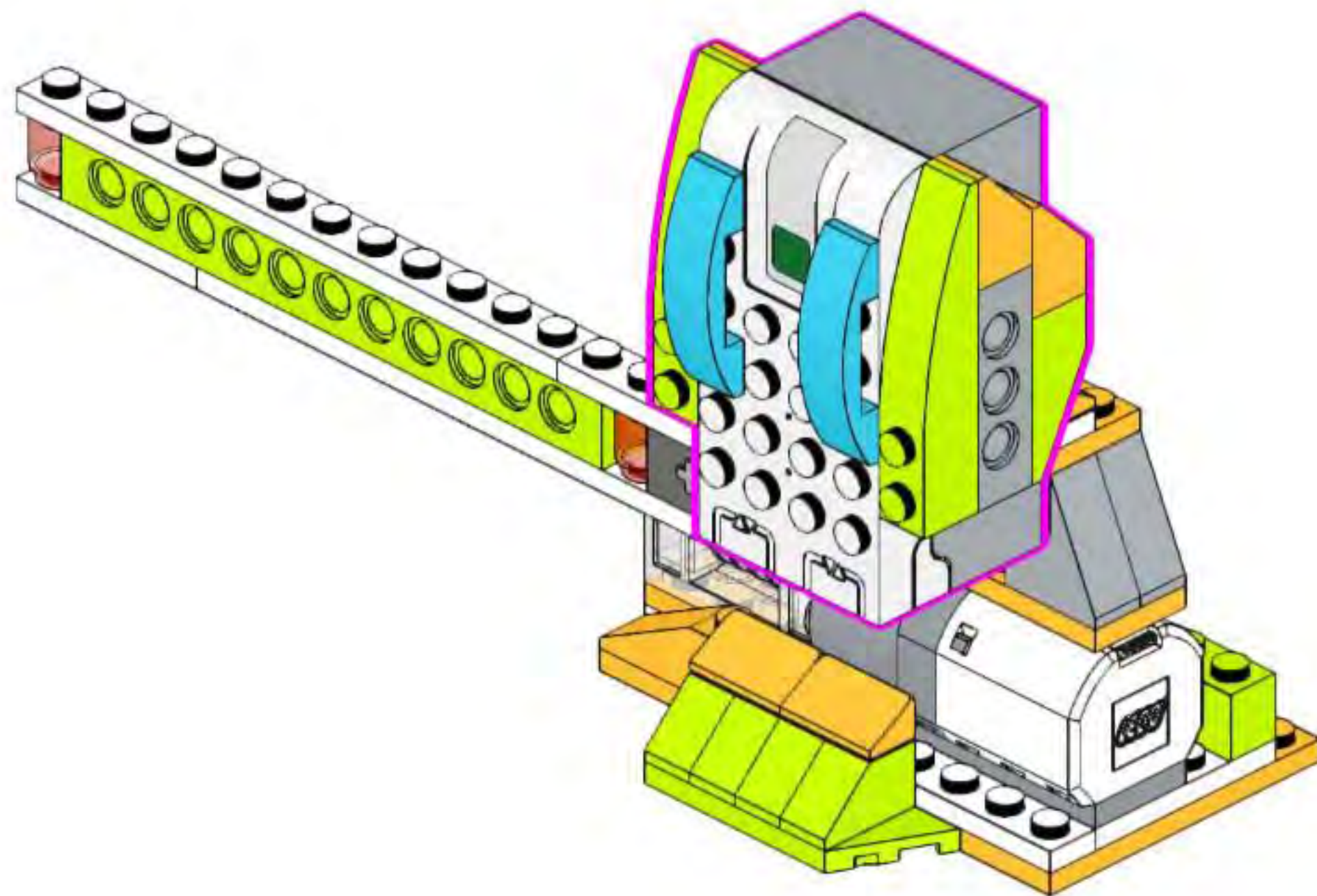










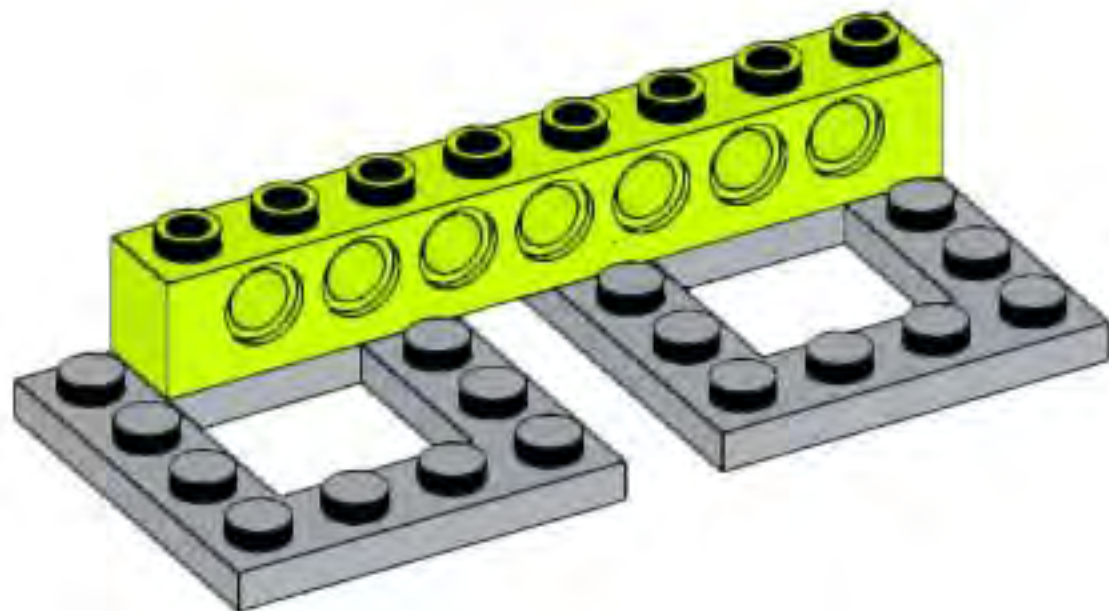


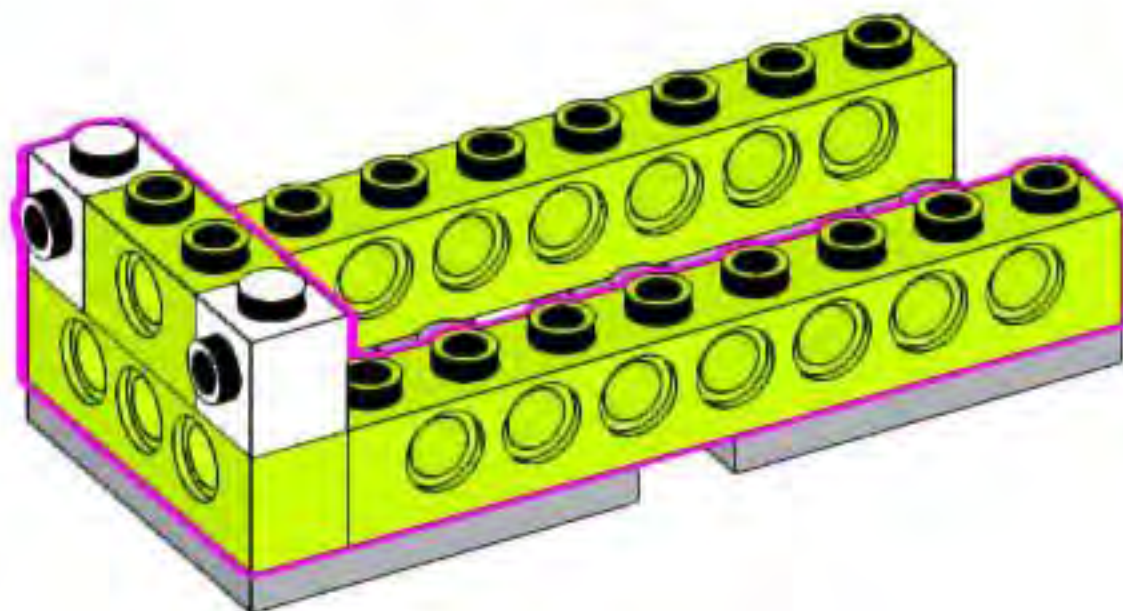
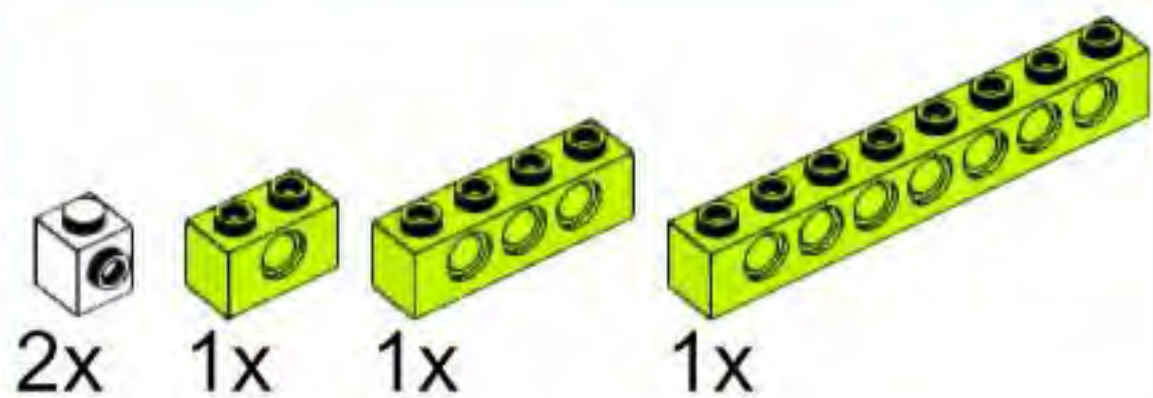


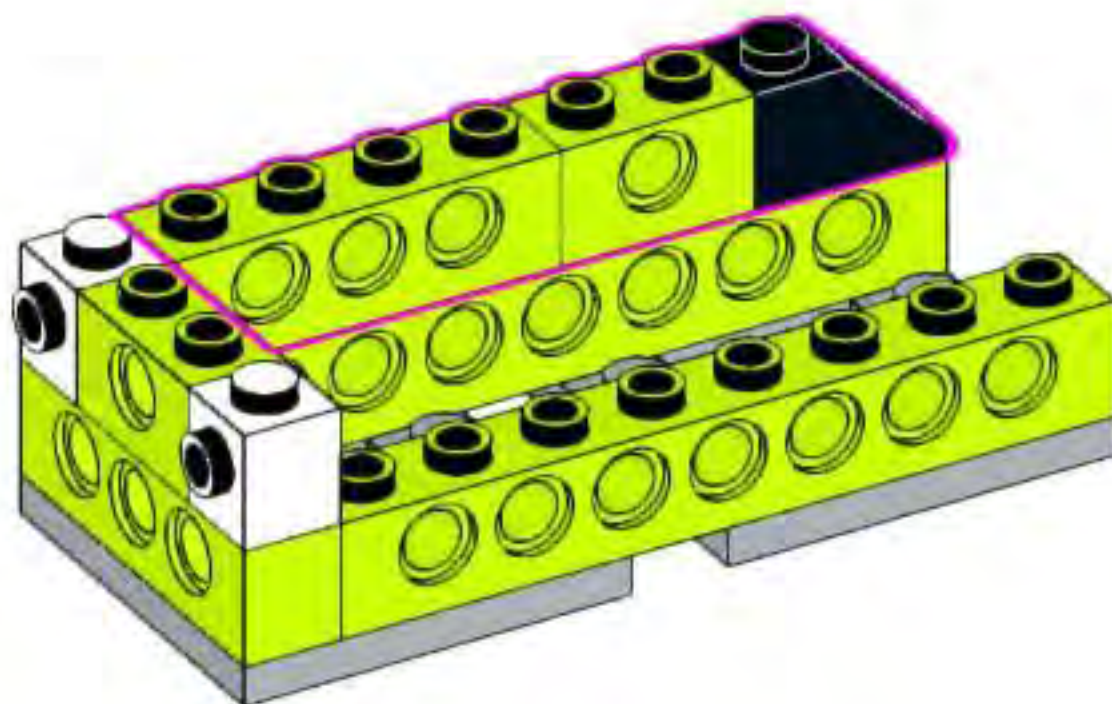
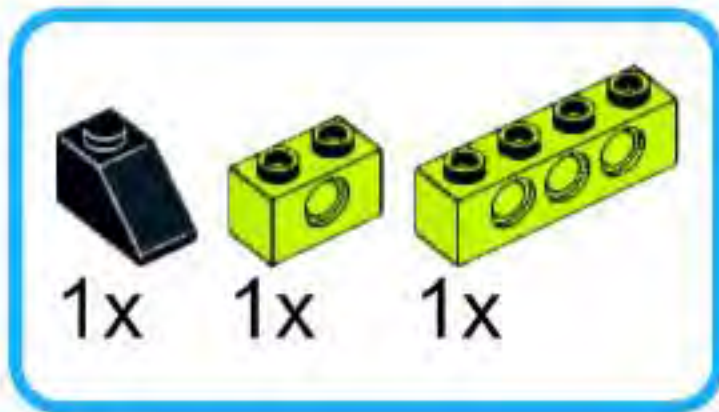
2x

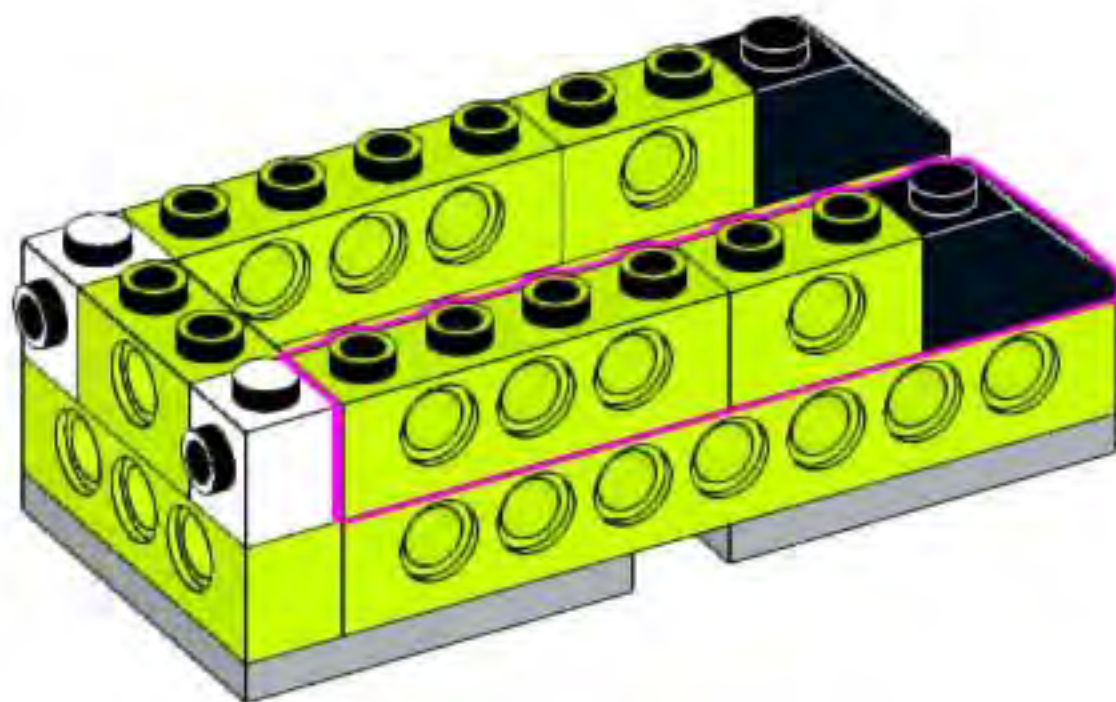
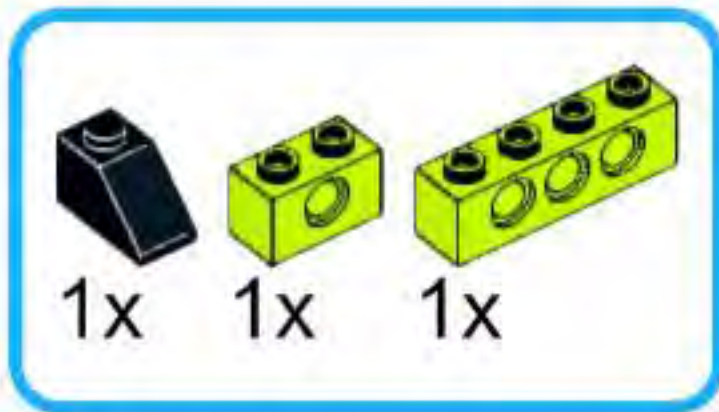


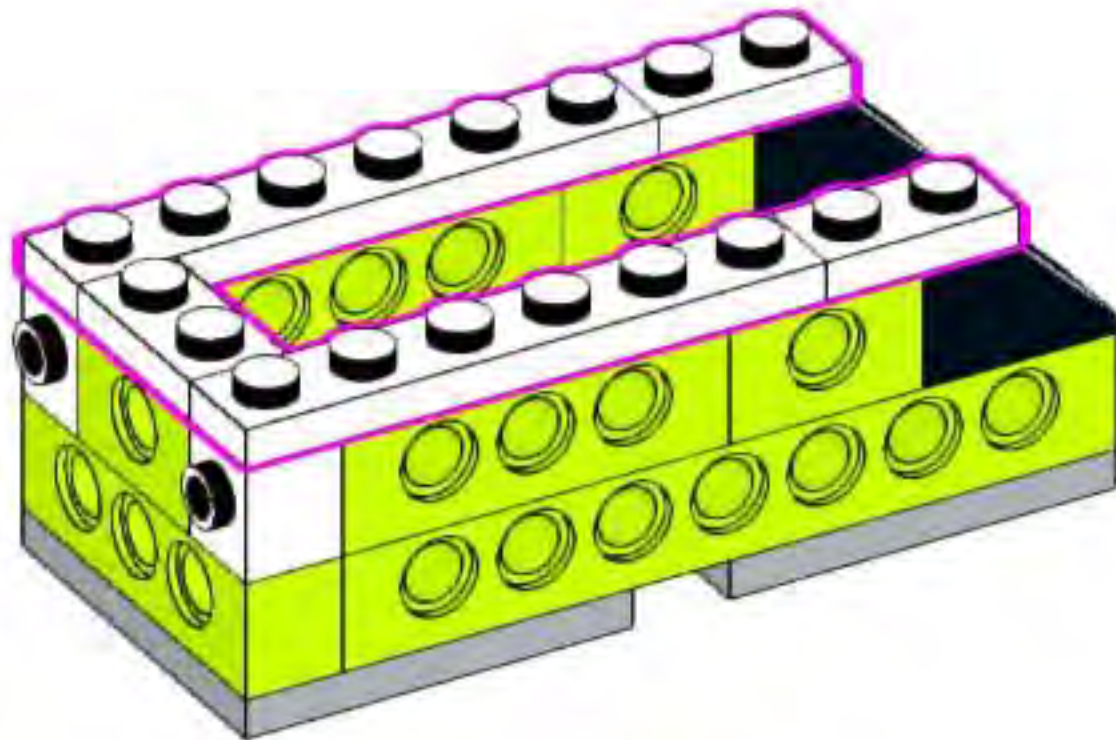
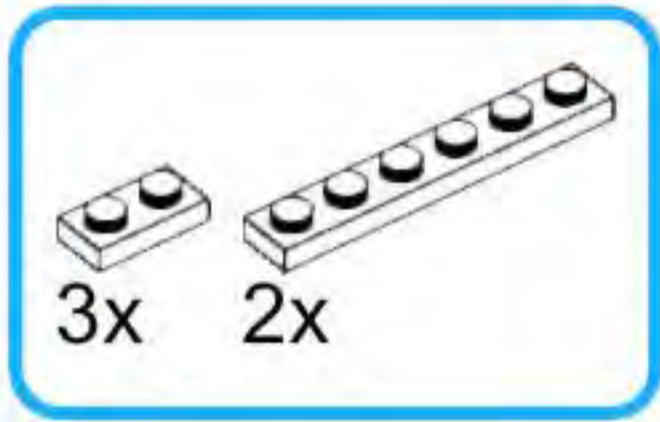
1x

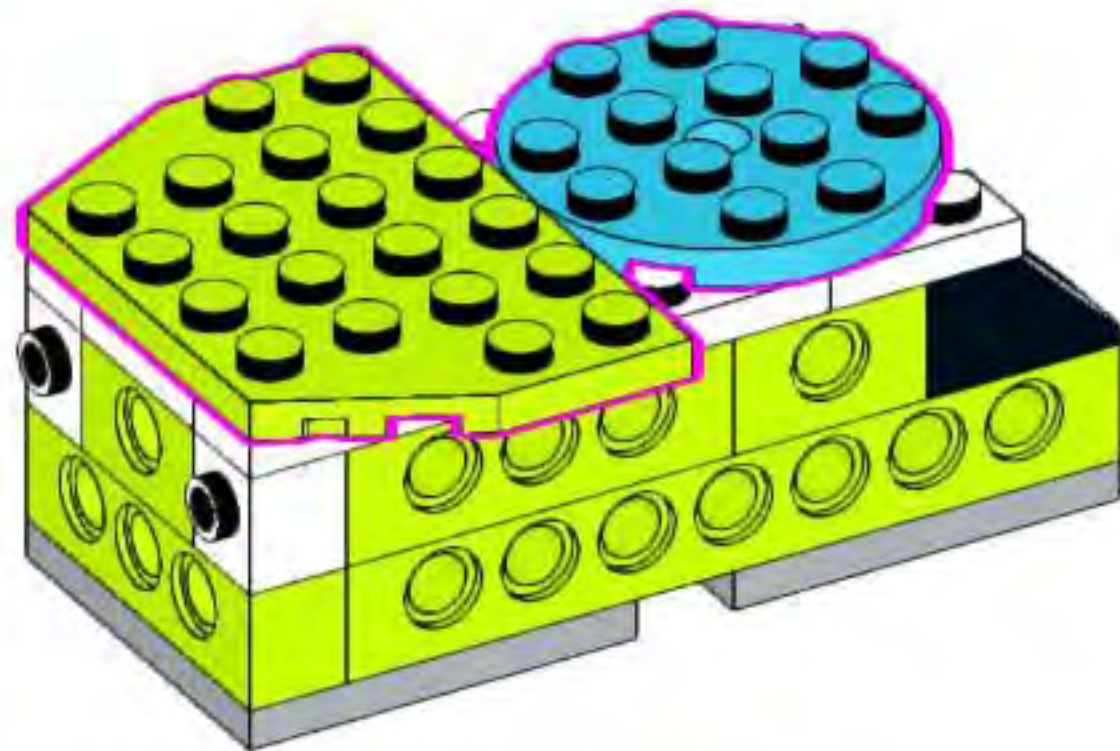
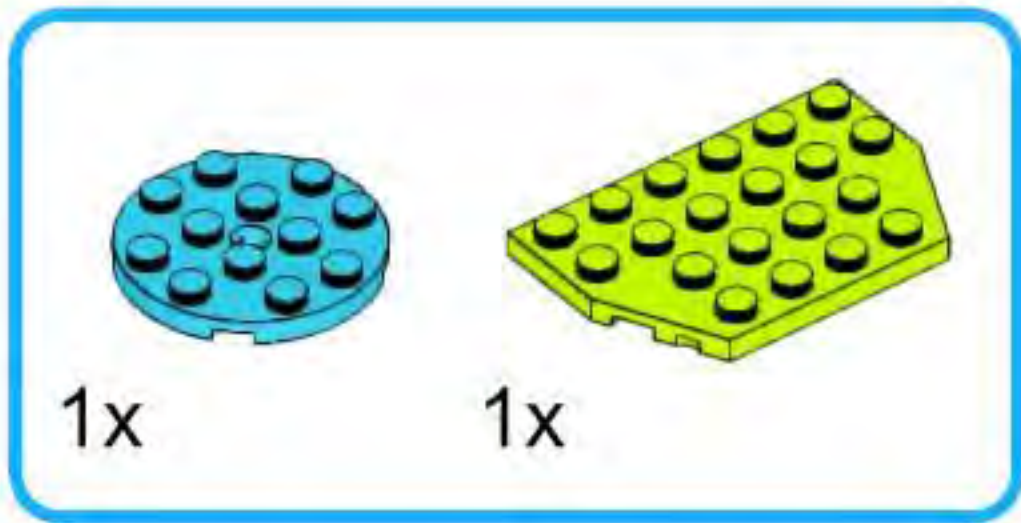






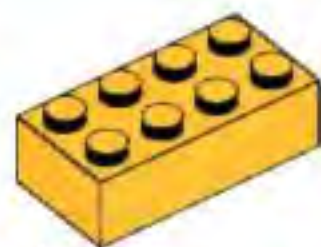




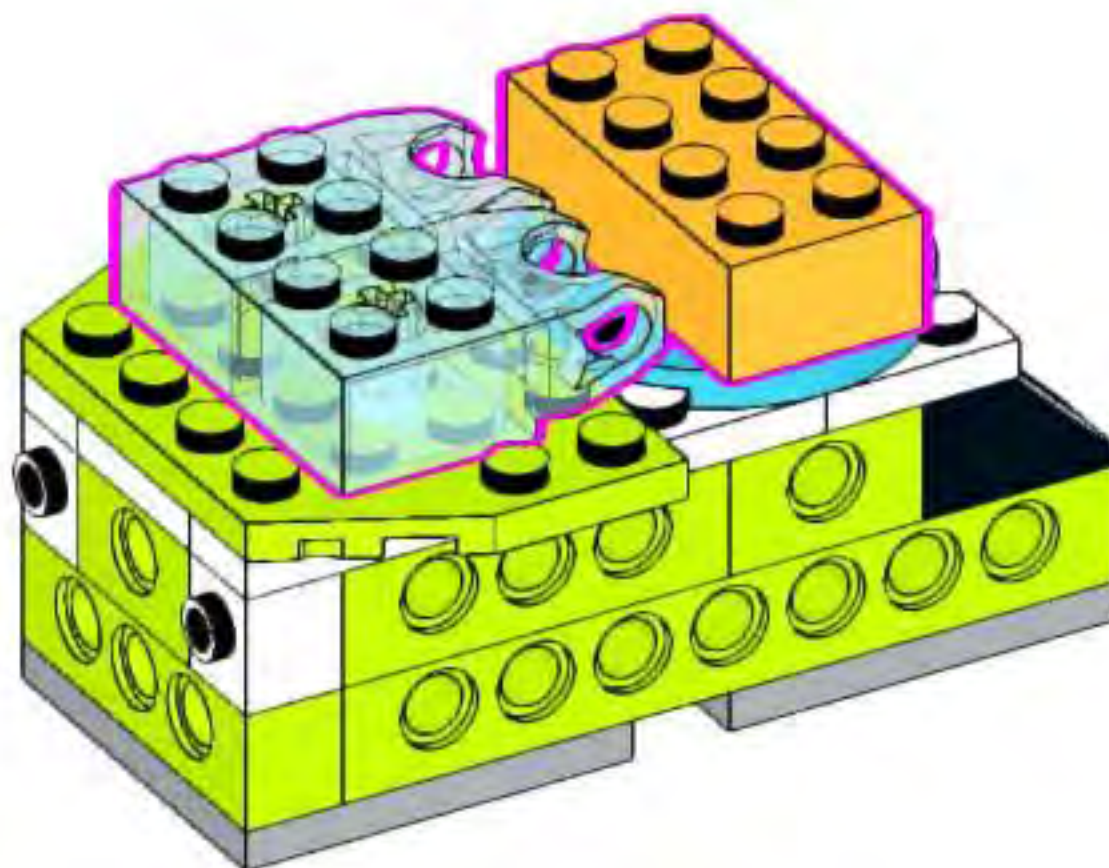


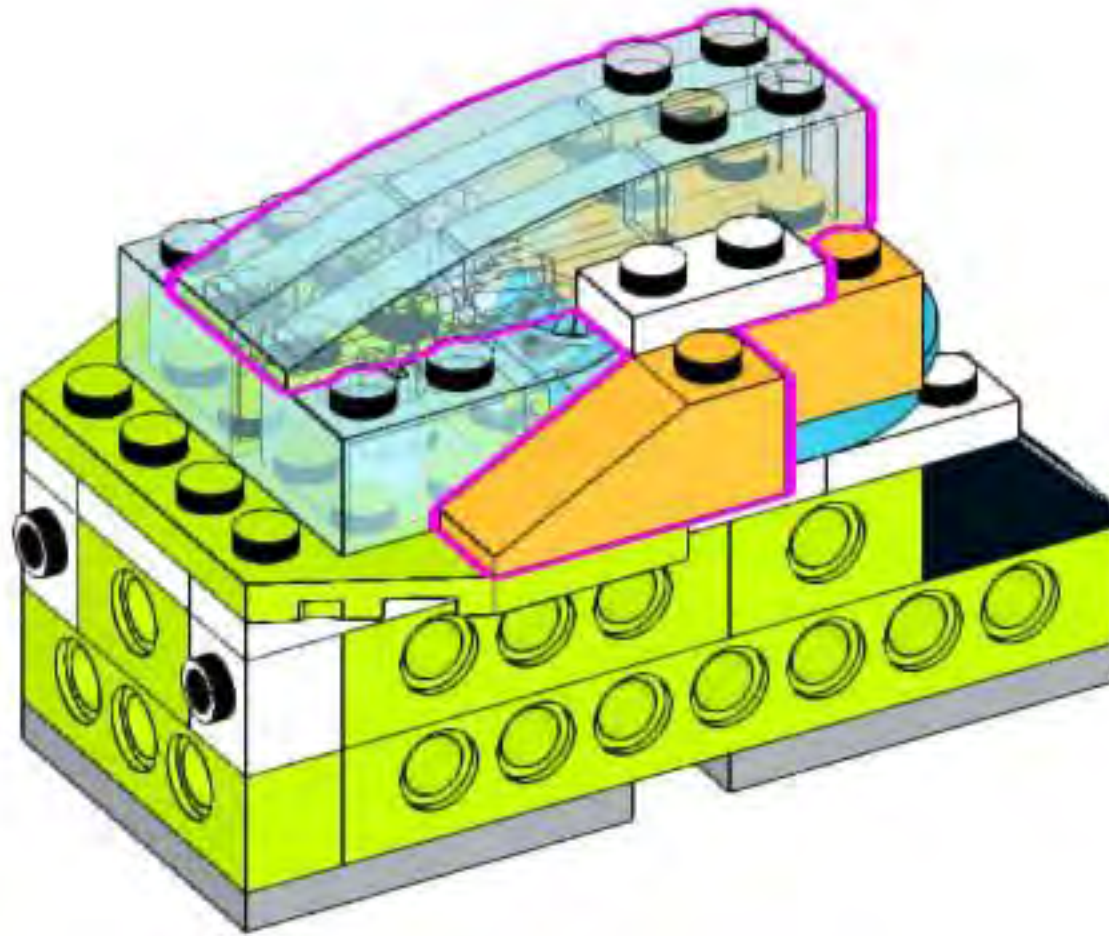
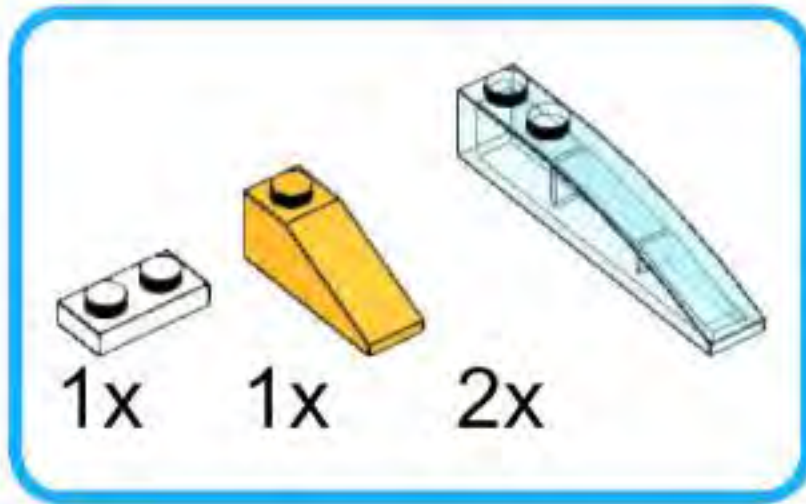


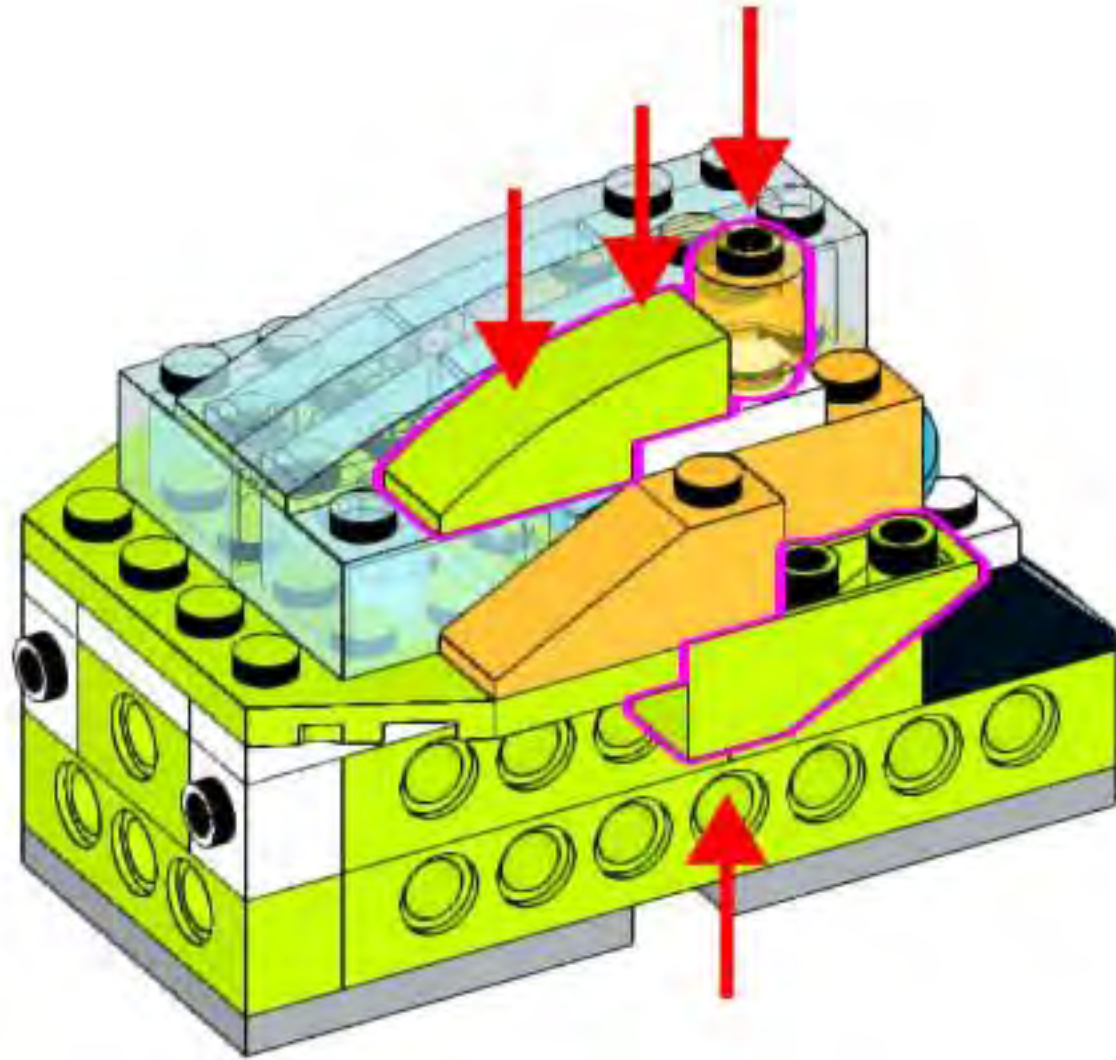
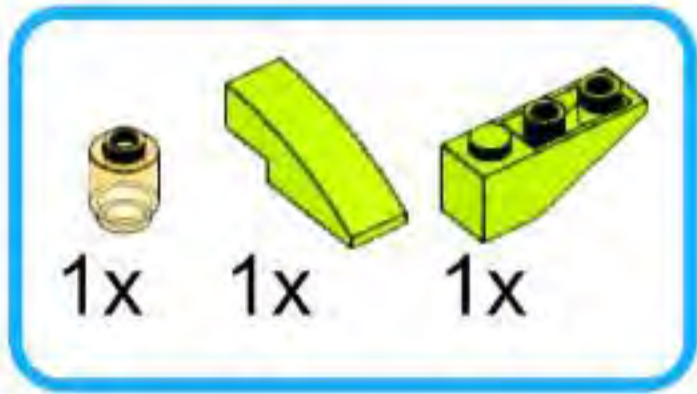
2x

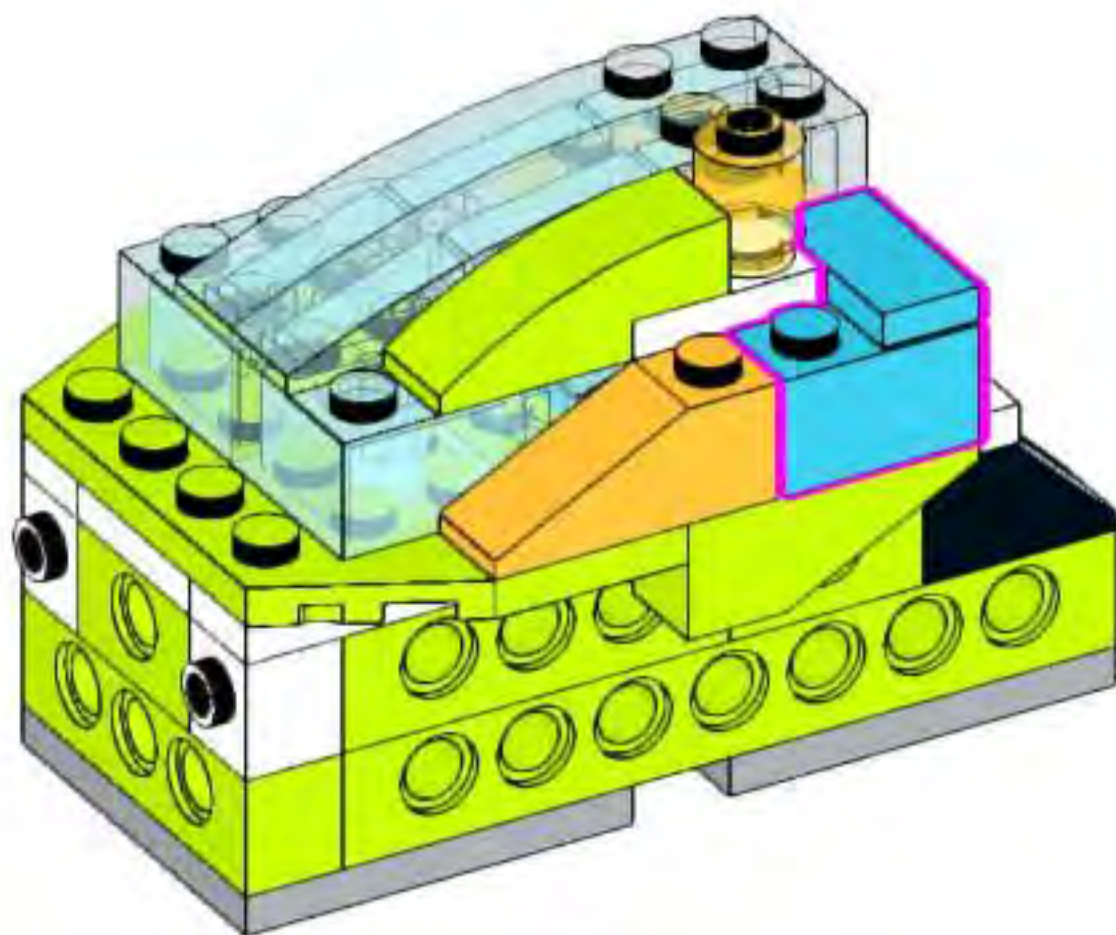
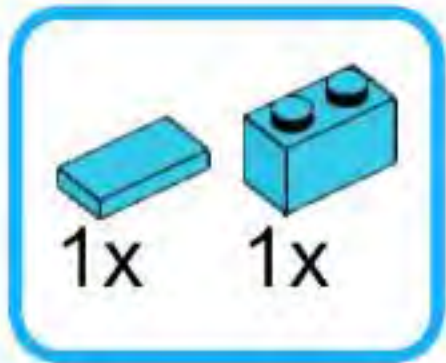


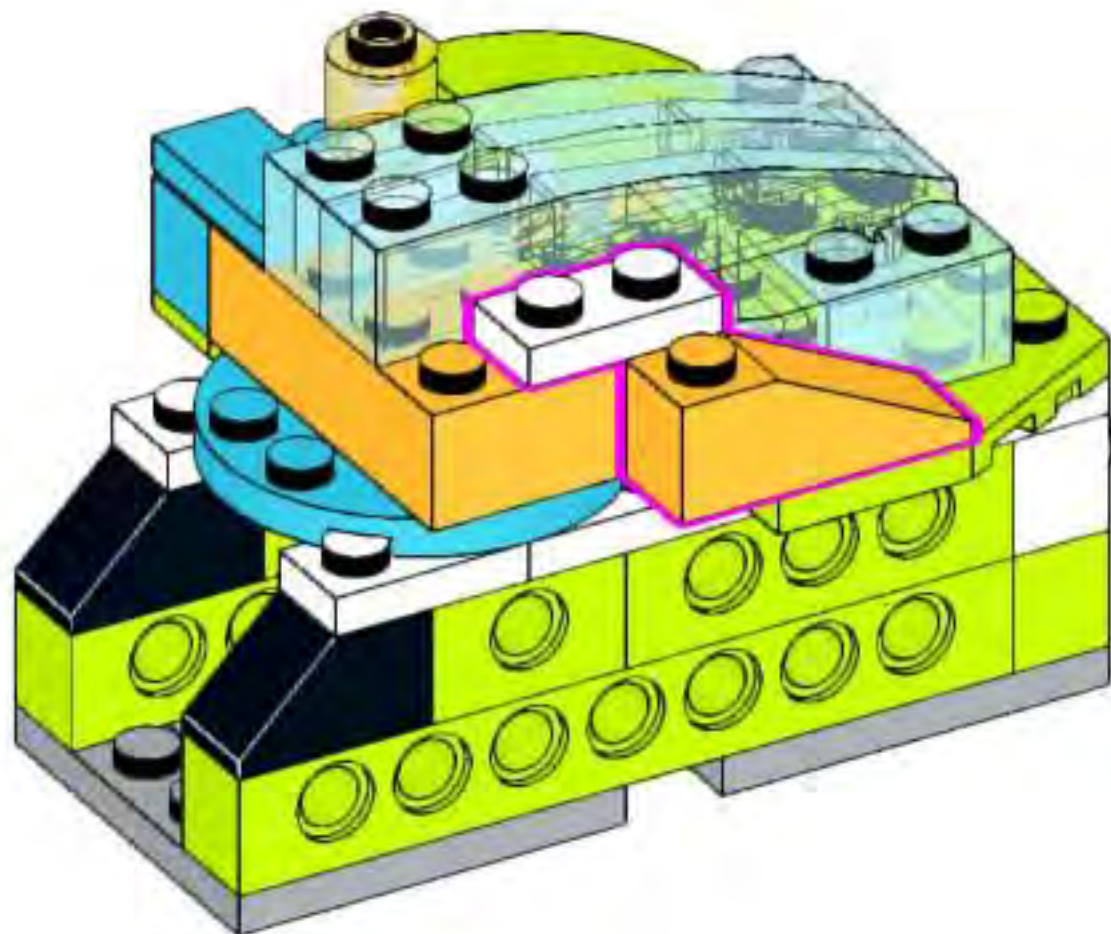
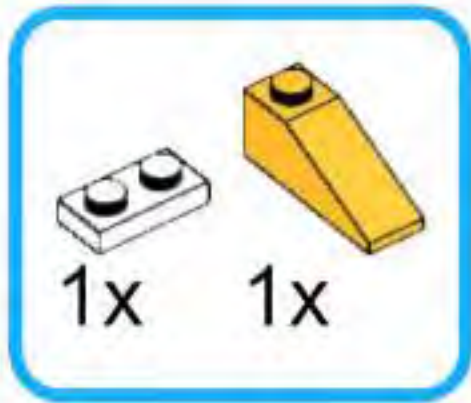
1x

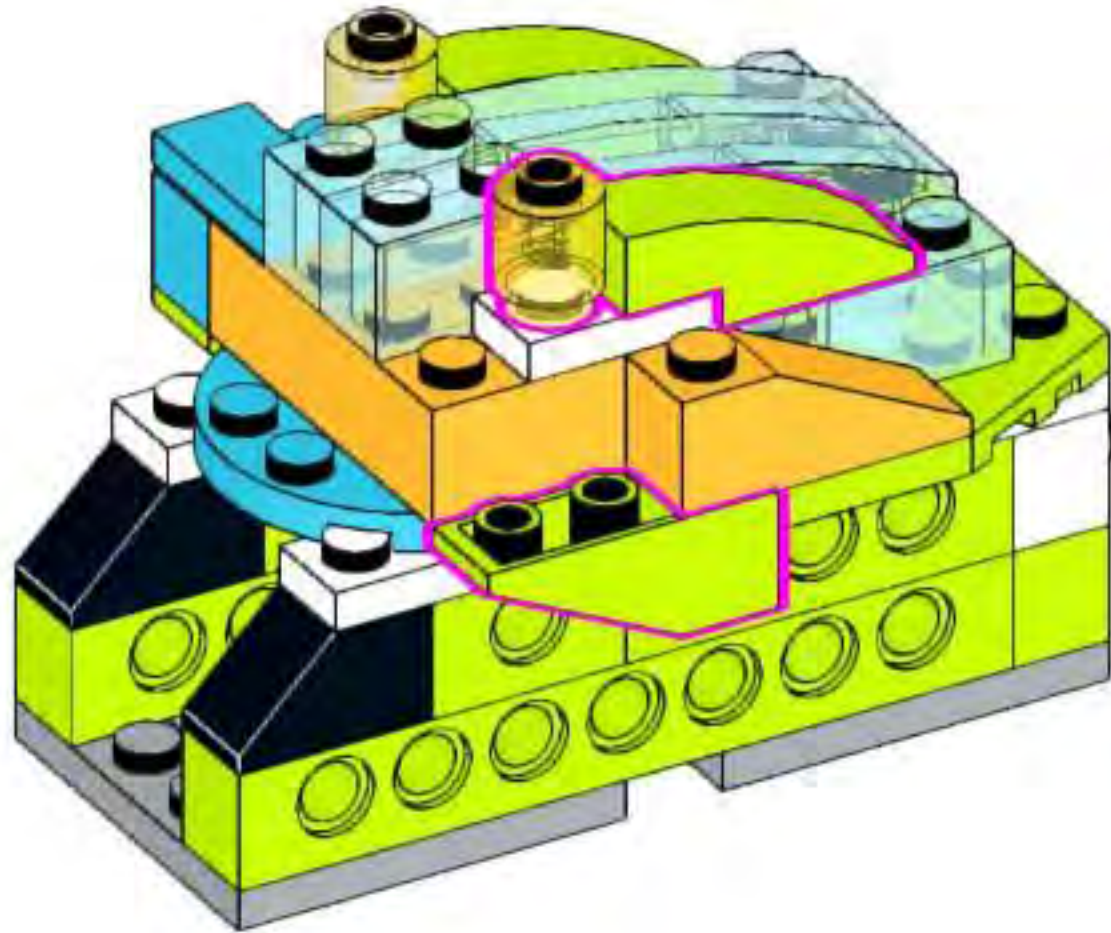
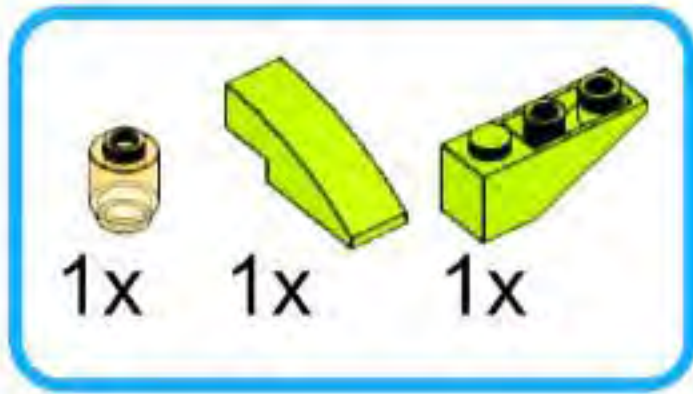


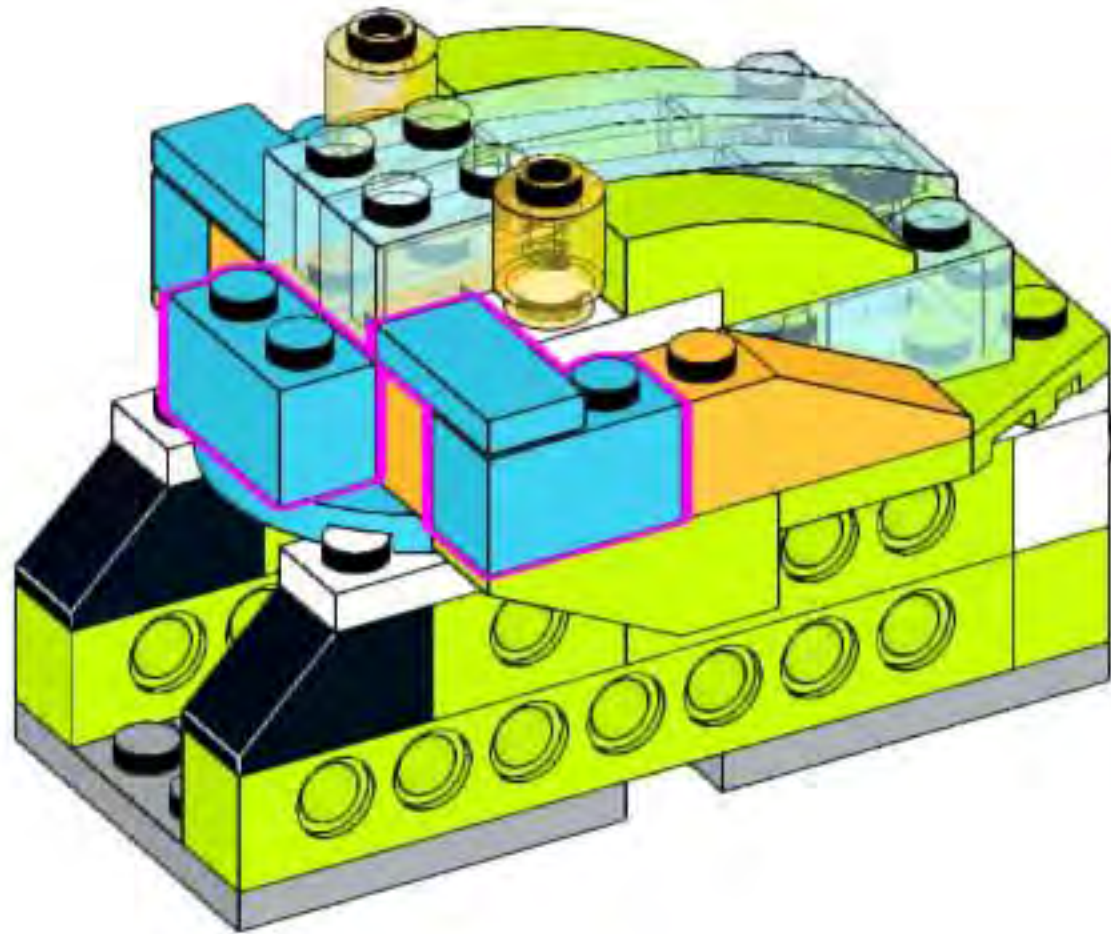
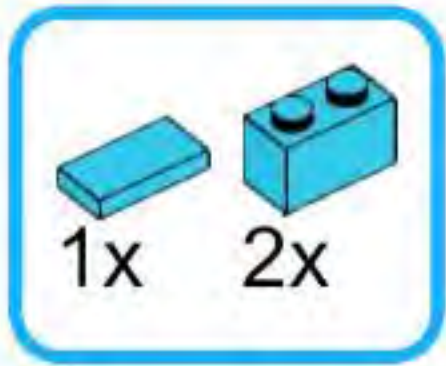


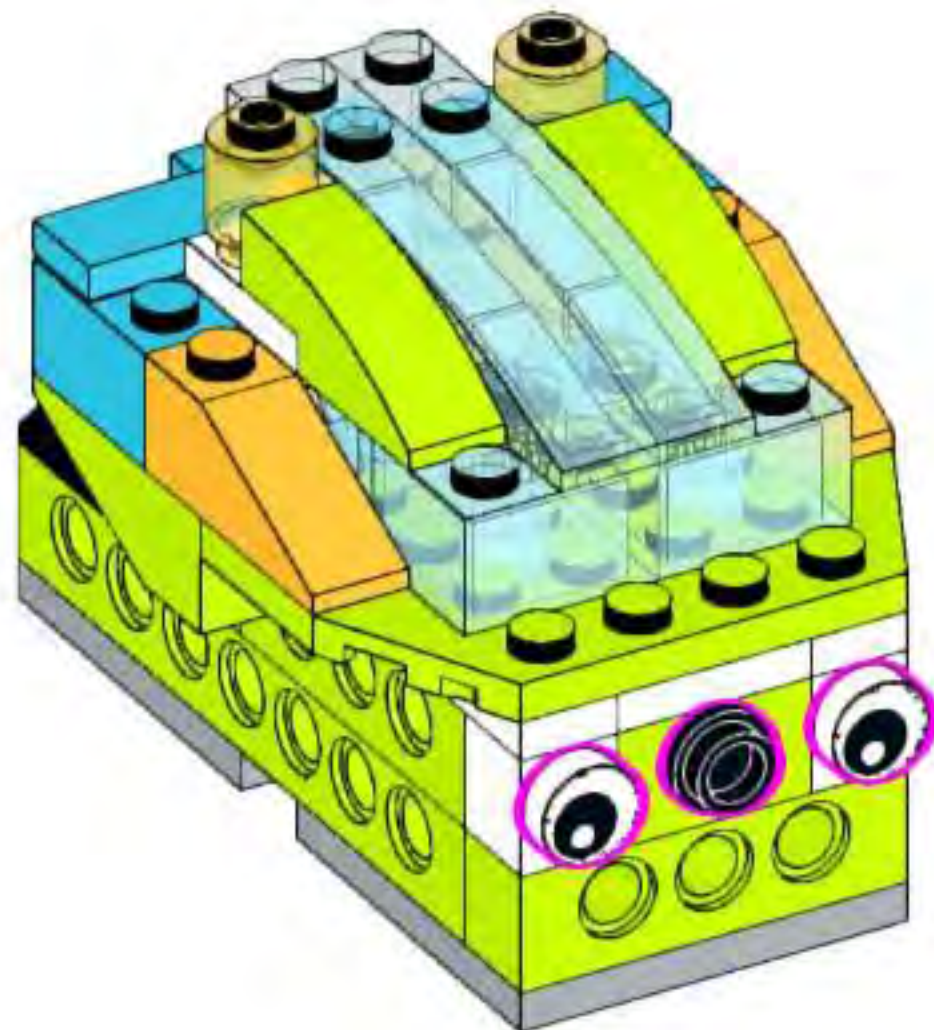


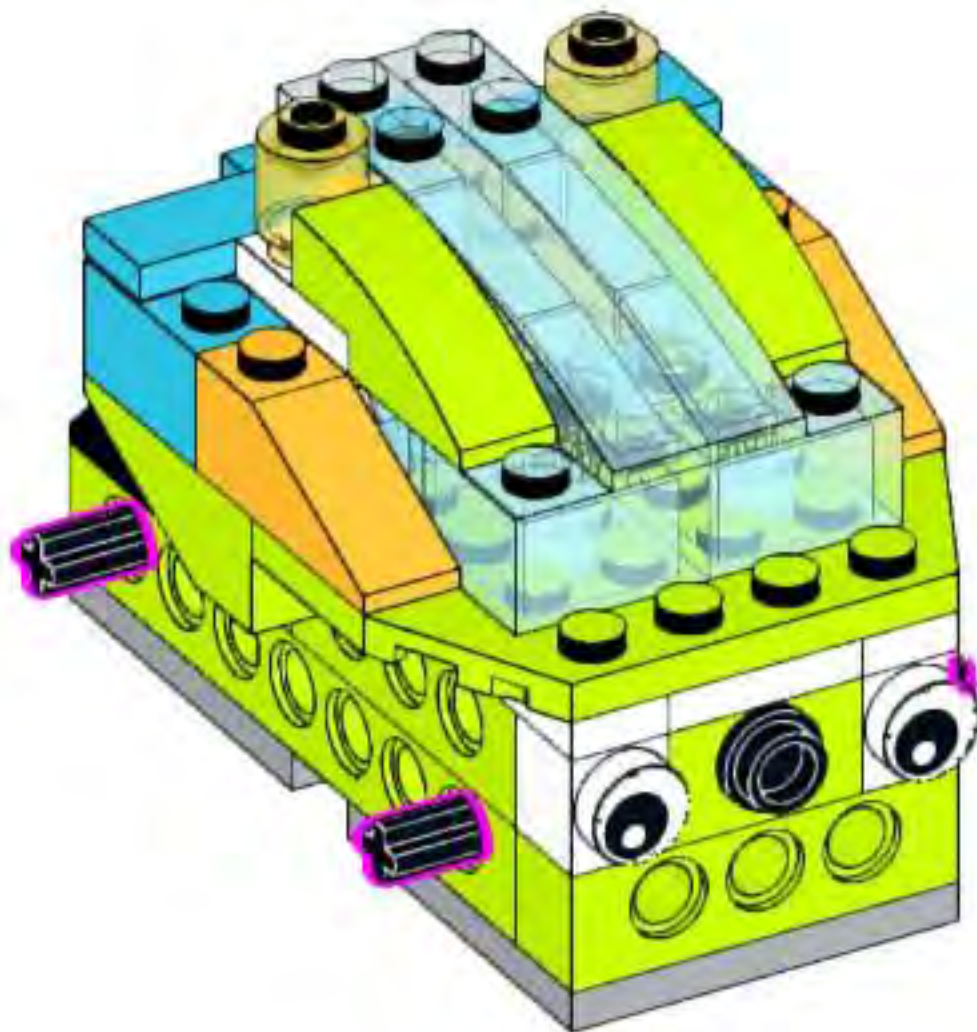








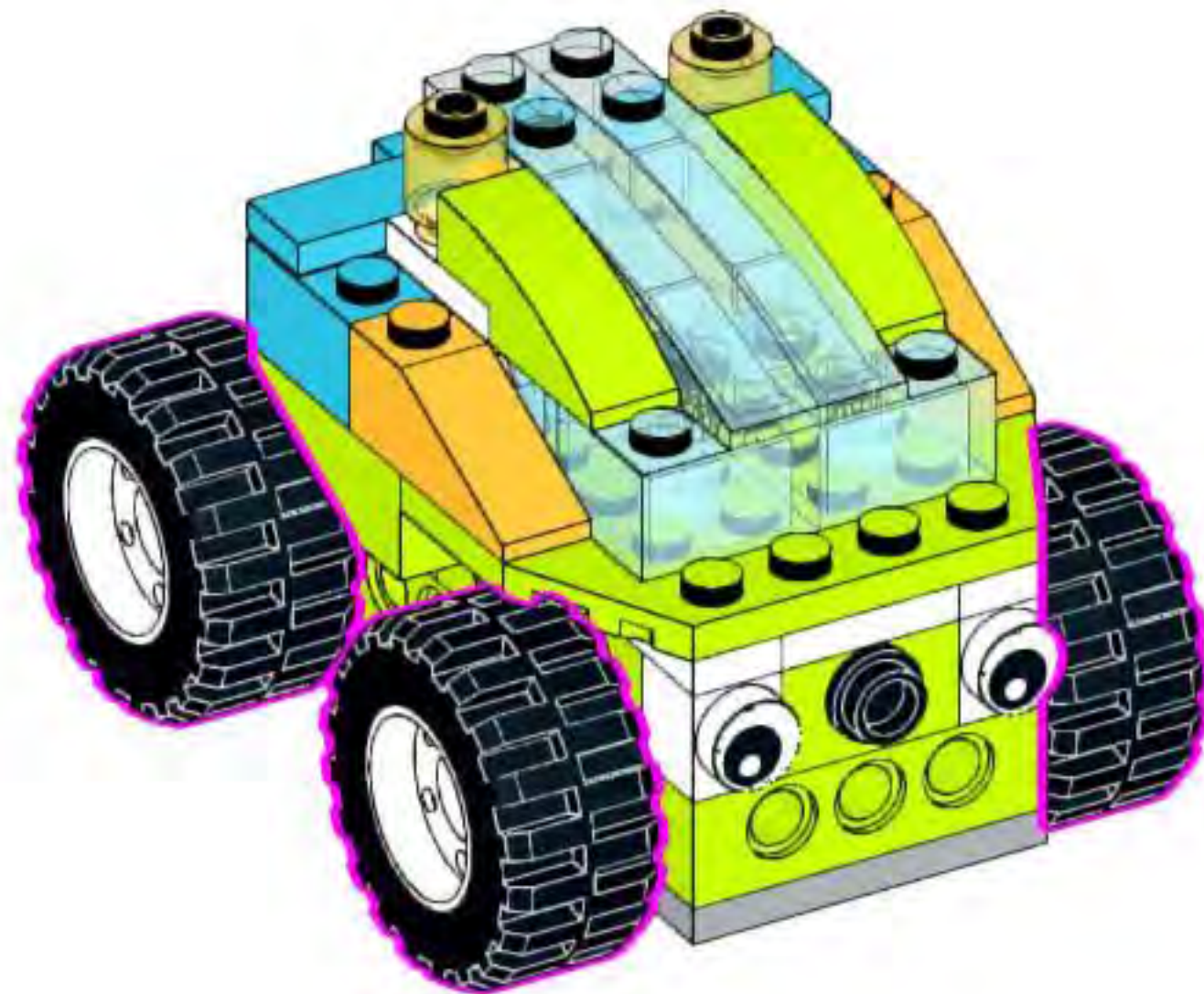


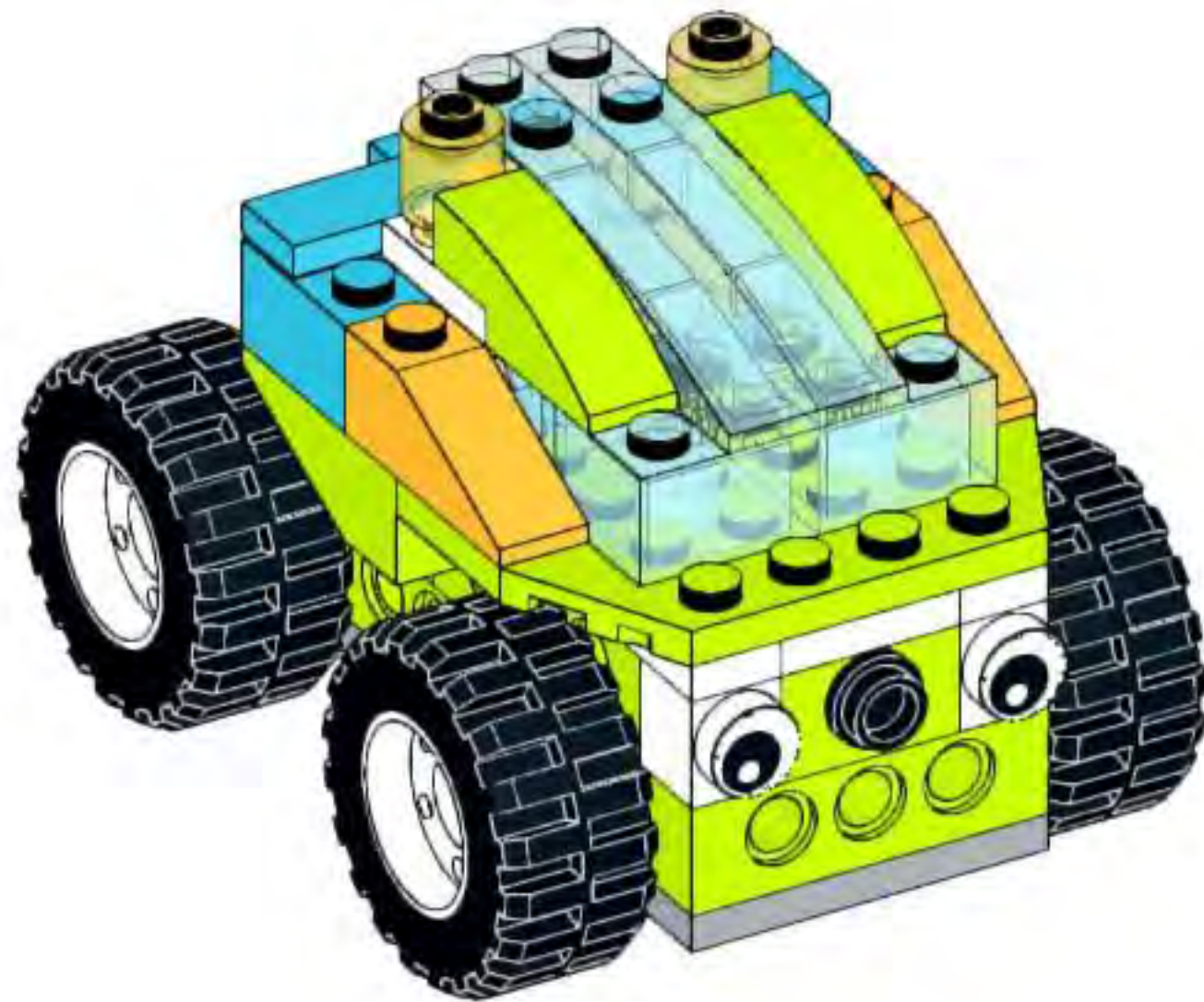


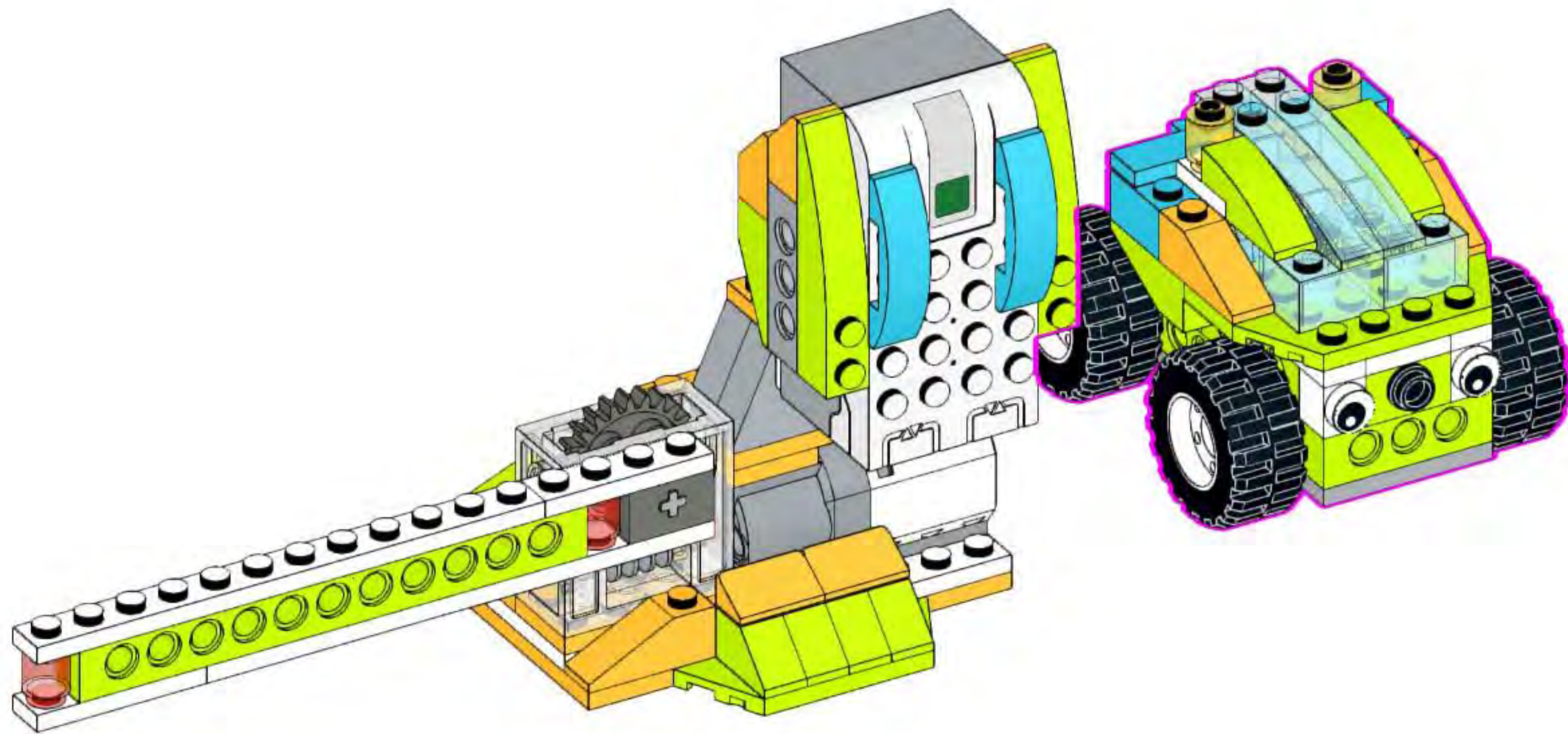


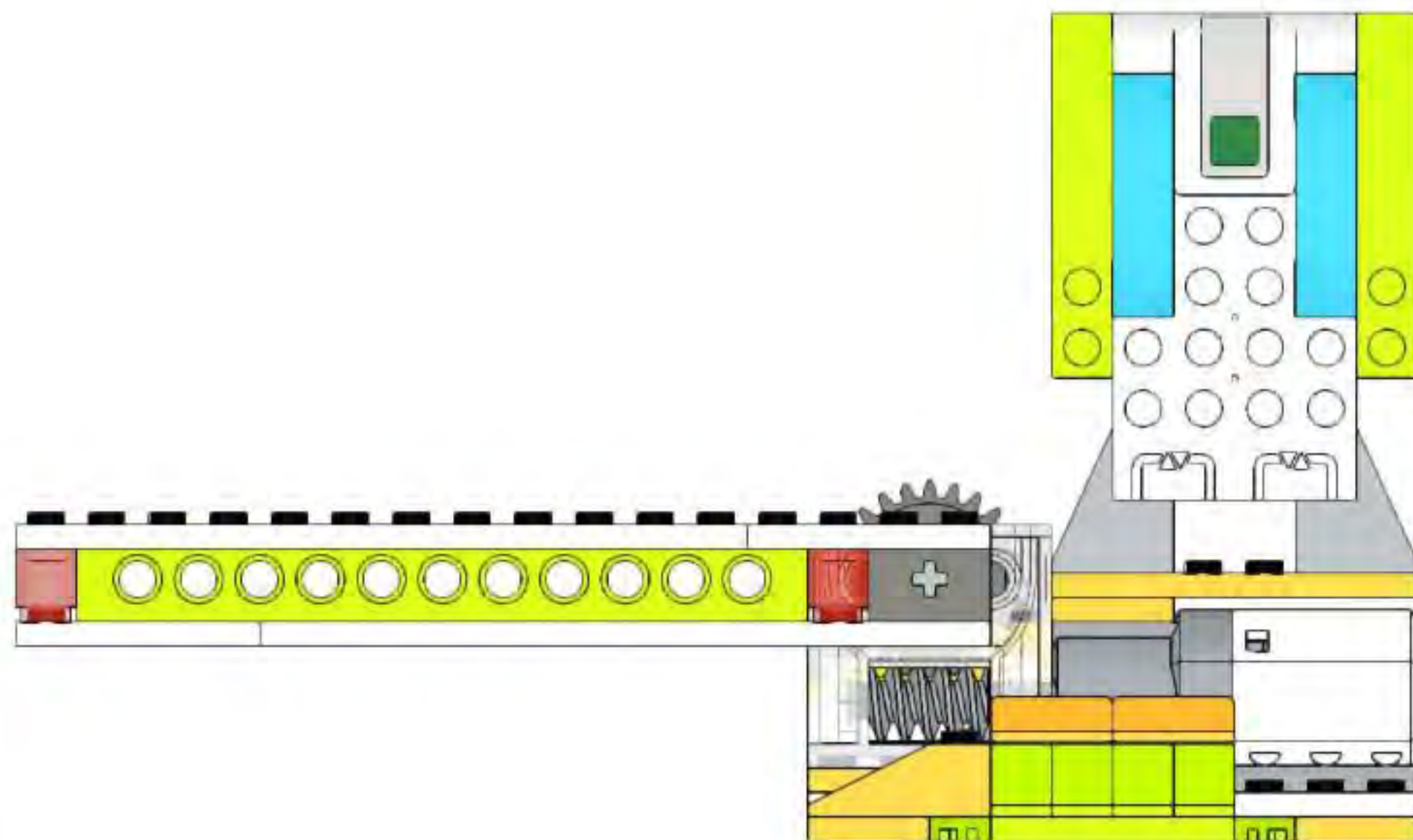
4x

4x









***Task 2**

Now in the design, we have a motion sensor and a car to test the model. Modify the program so that the barrier closes itself after the car has passed. and



***Task 2**

Now in the design, we have a motion sensor and a car to test the model. Modify the program so that the barrier closes itself after the car has passed. and

