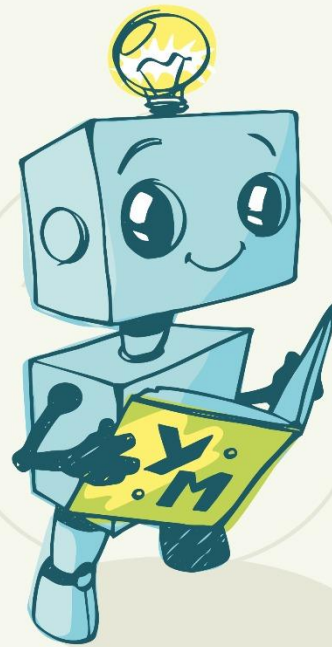


# EV3



**УМНАЯ  
МЕХАНИКА**

ОБРАЗОВАТЕЛЬНАЯ  
РОБОТЕХНИКА

# Правила

1. **Соблюдаем тишину,**  
когда преподаватель  
говорит!
2. **Непонятно – спроси!**
3. **Наборы не смешивать,**  
все складывать на  
место!

**История**

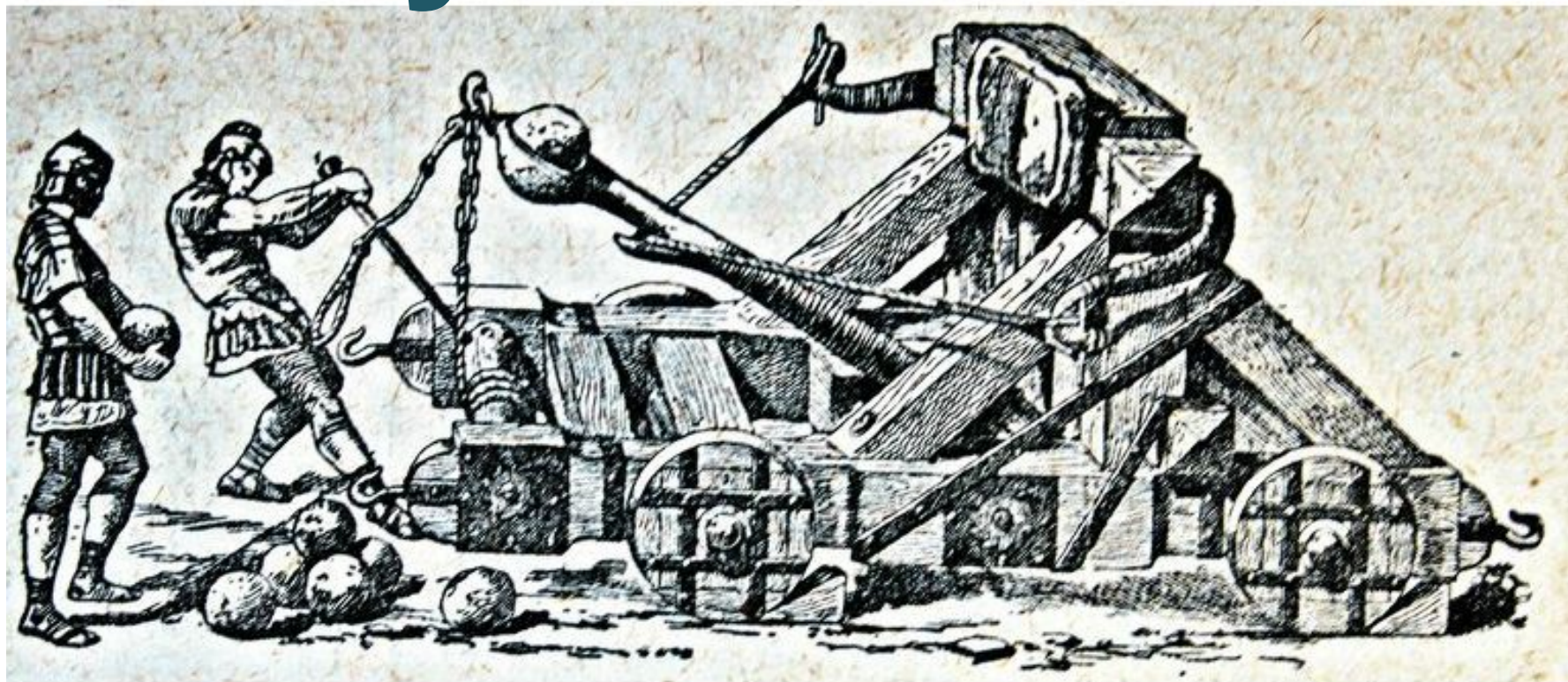
# Пусковая установка



# Пусковая установка



# Пусковая установка



# Пусковая установка



# Пусковая установка





# Пусковая установка



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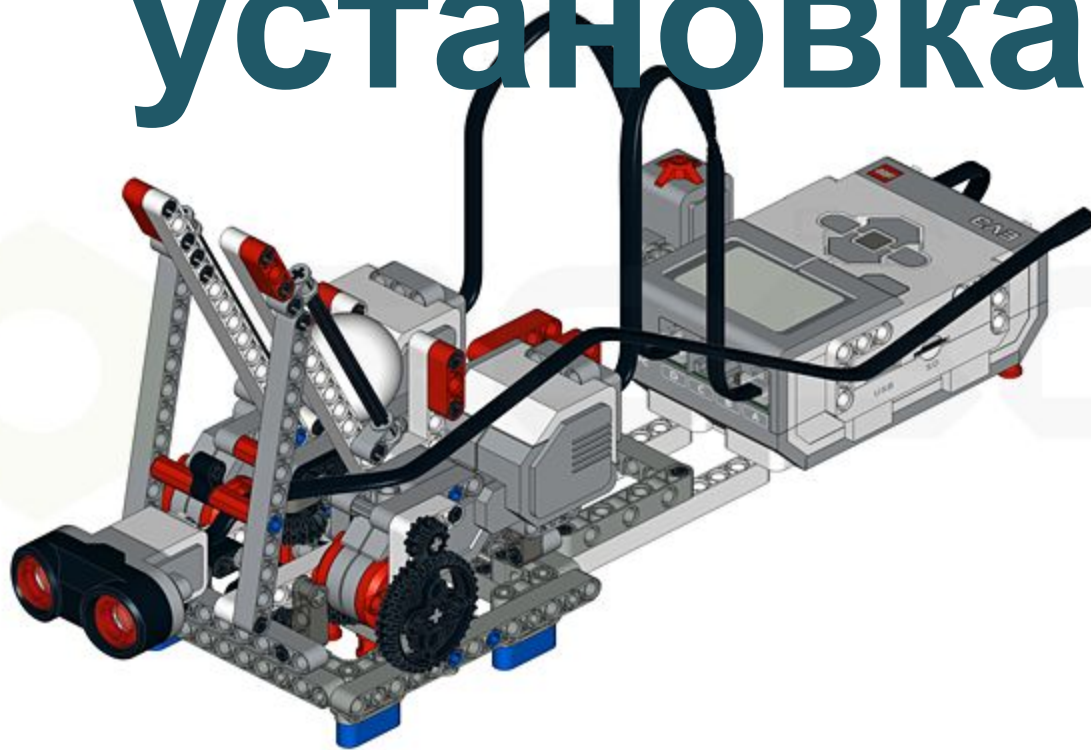


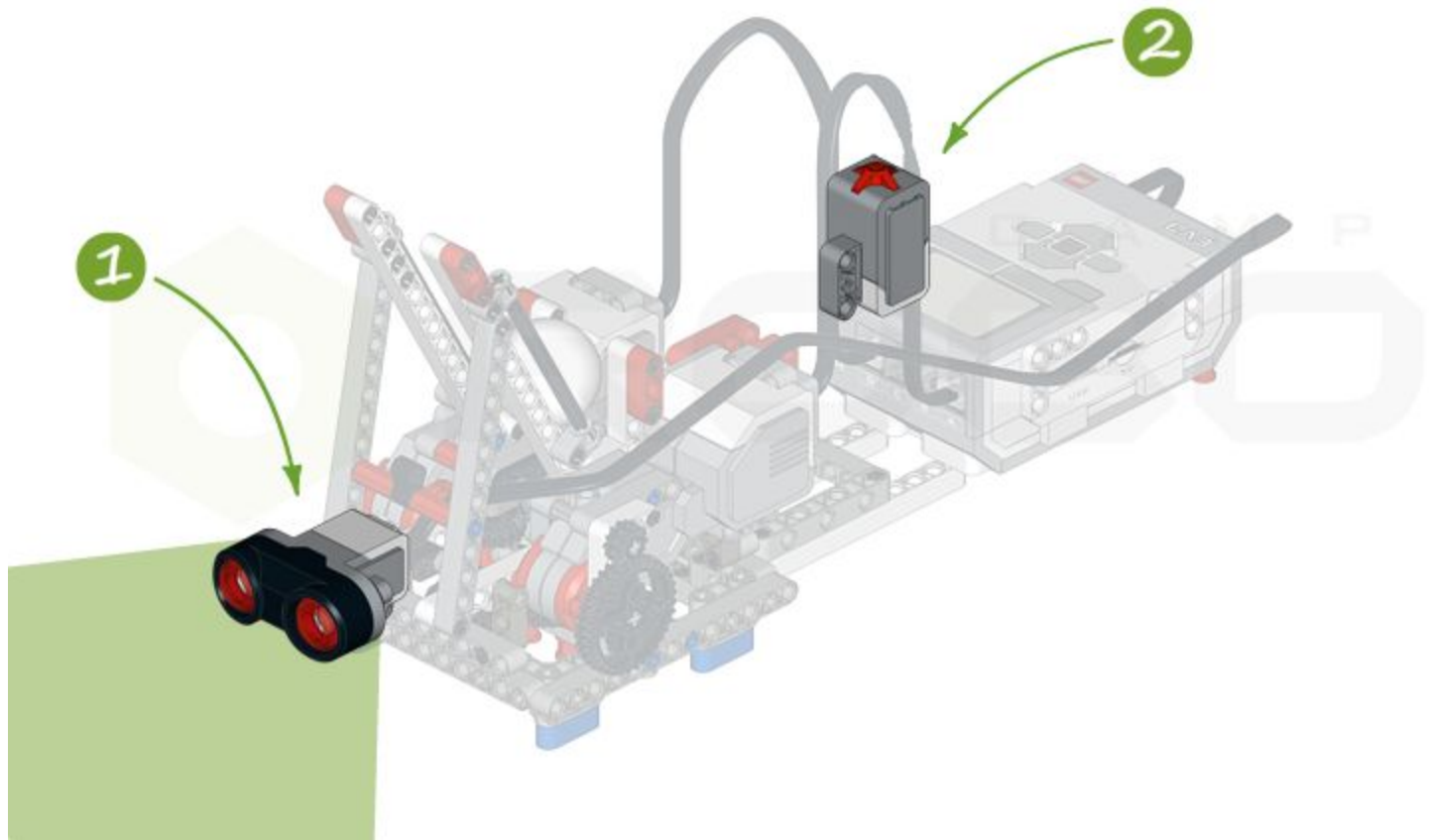
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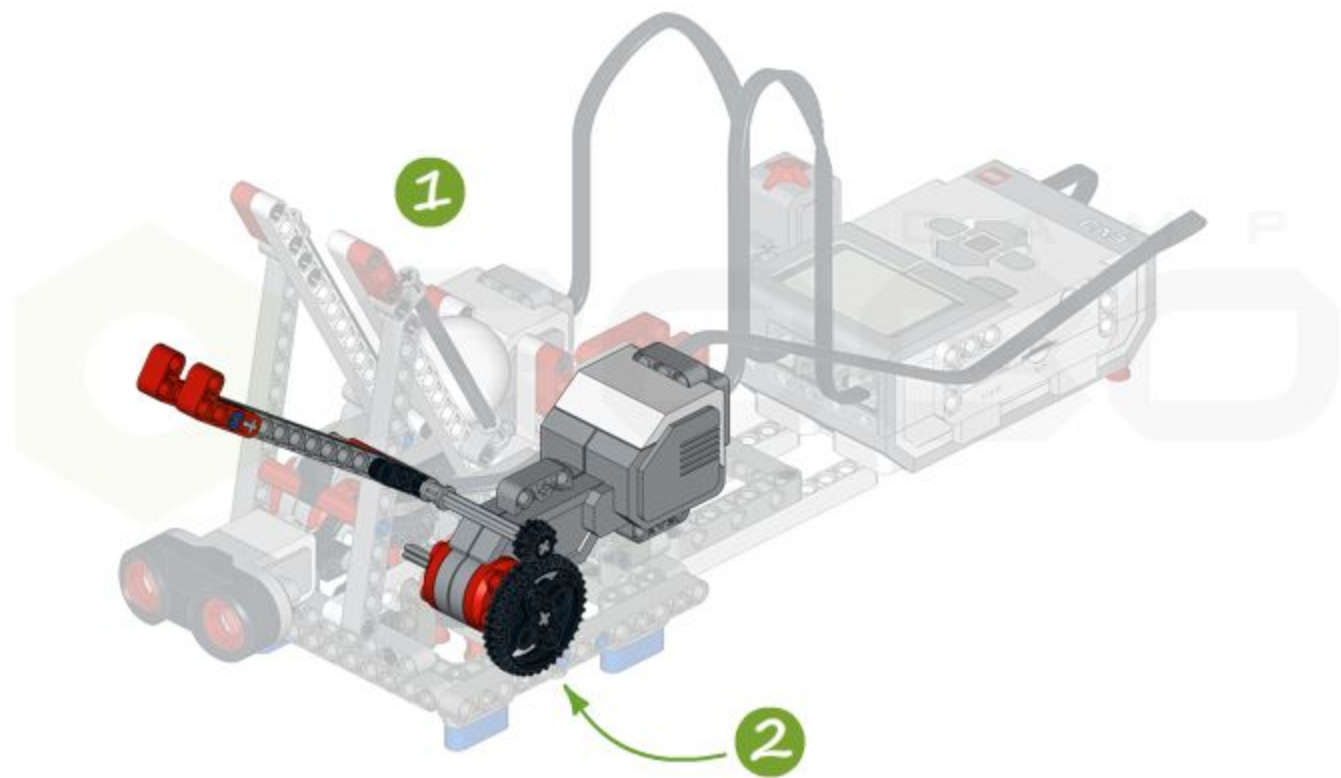


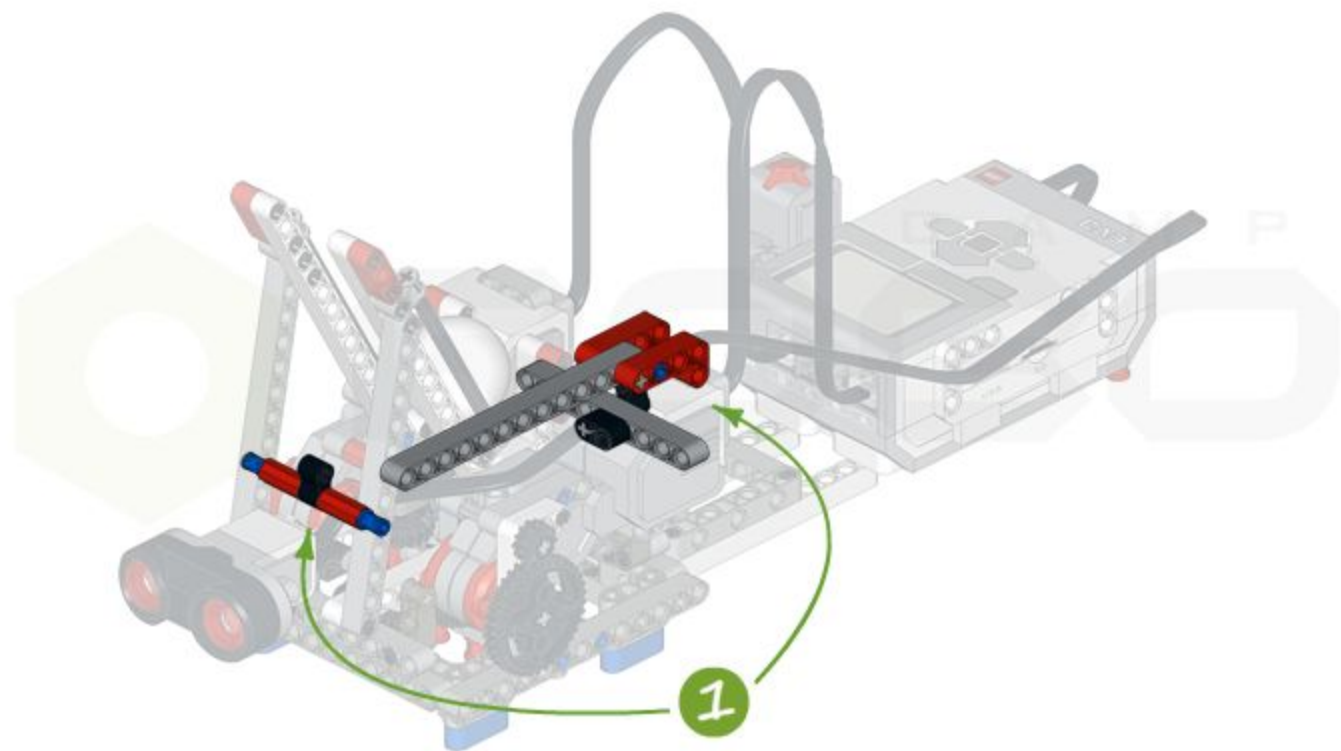
# Изучение модели

# Пусковая установка

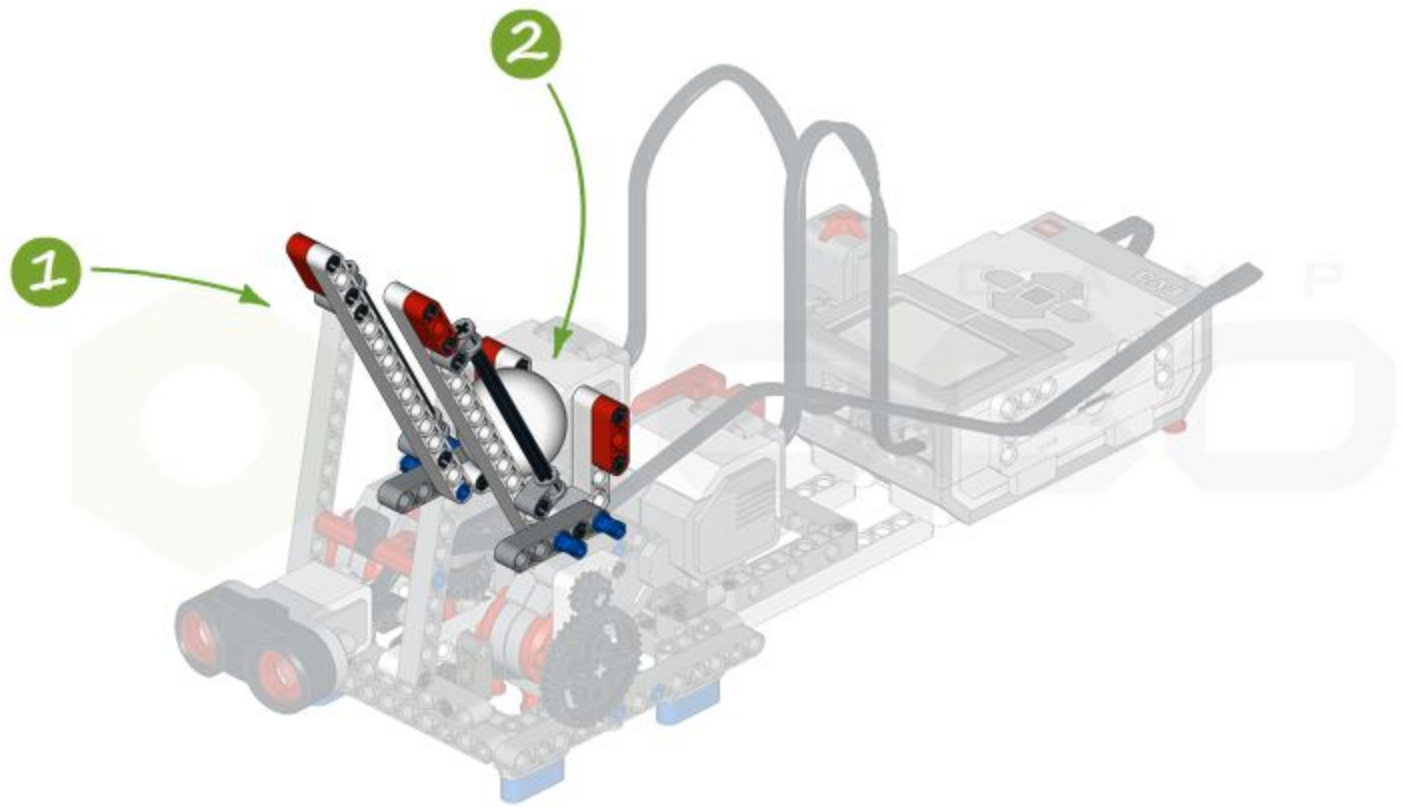


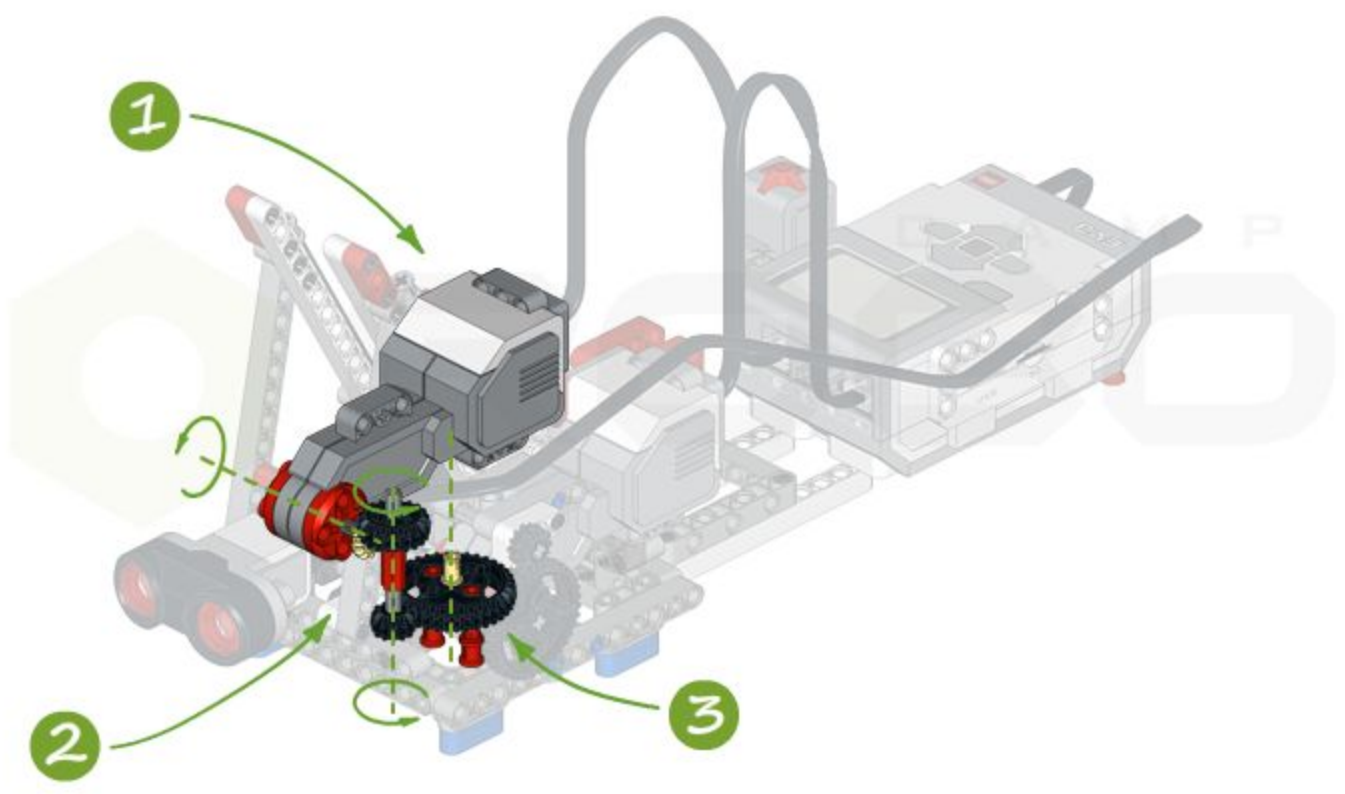


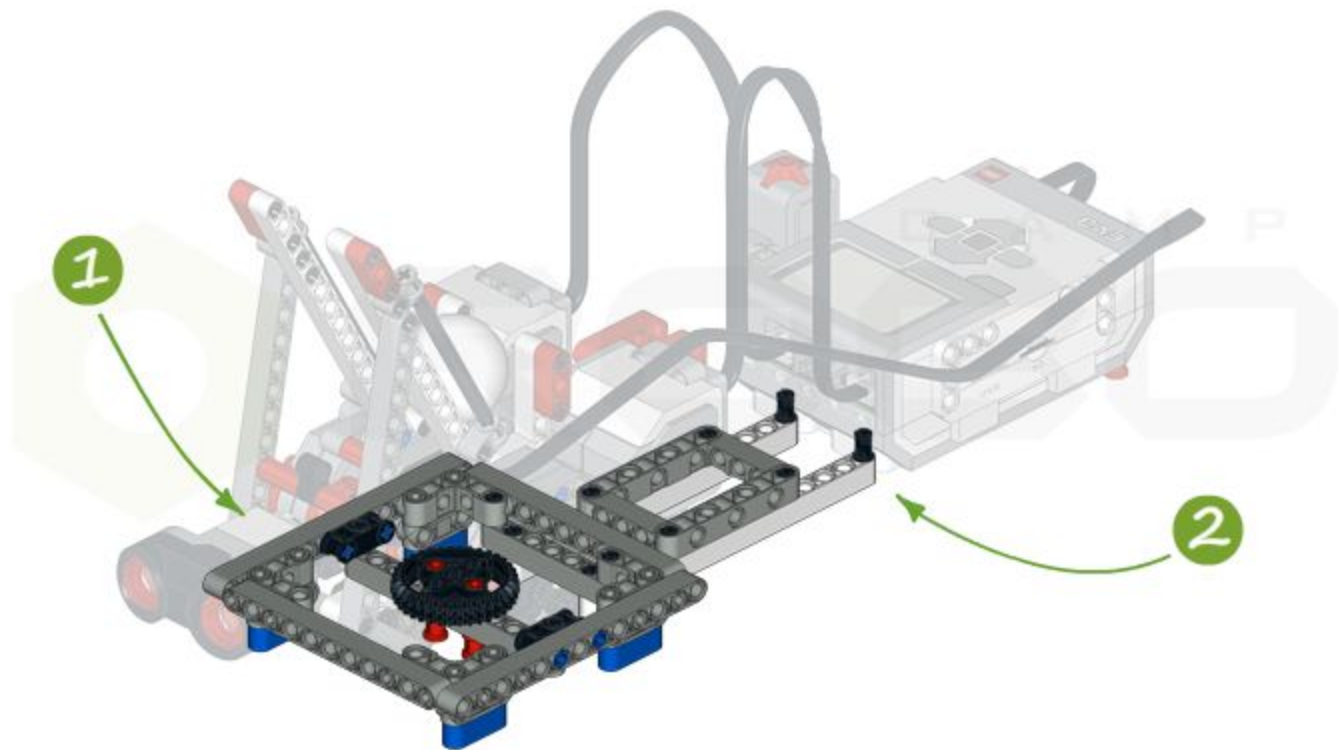


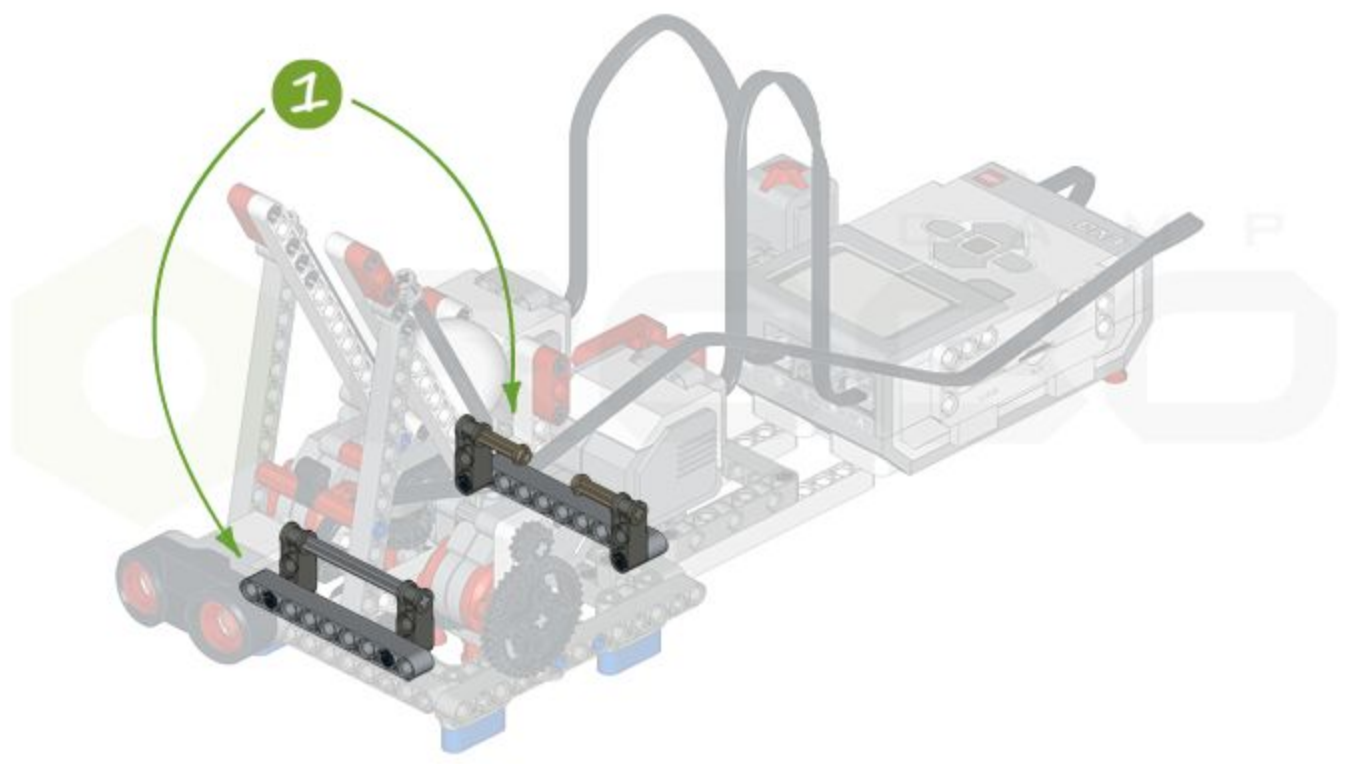


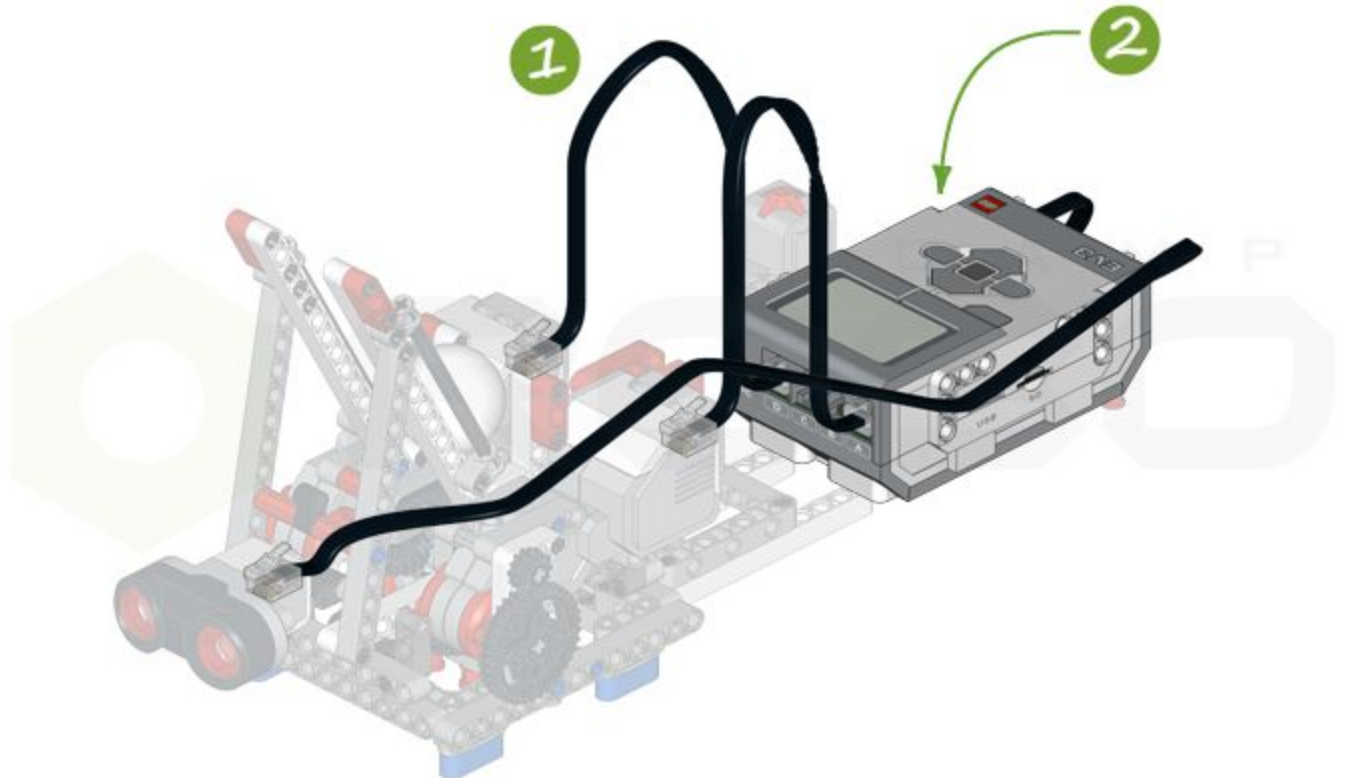




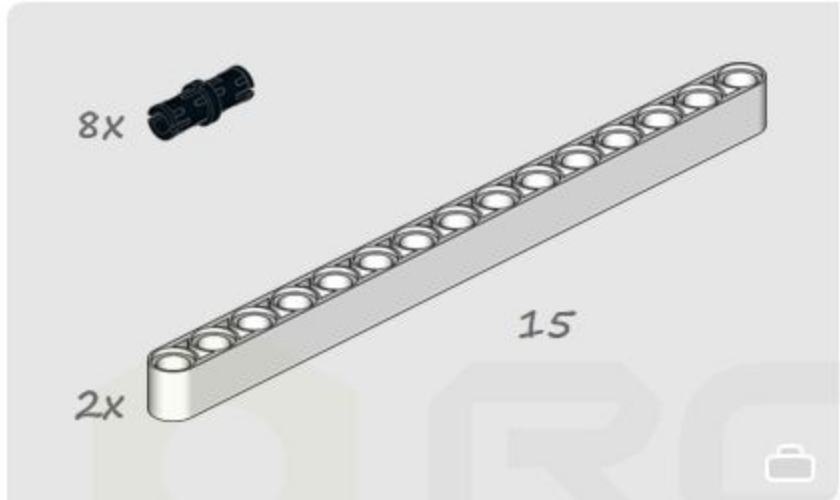


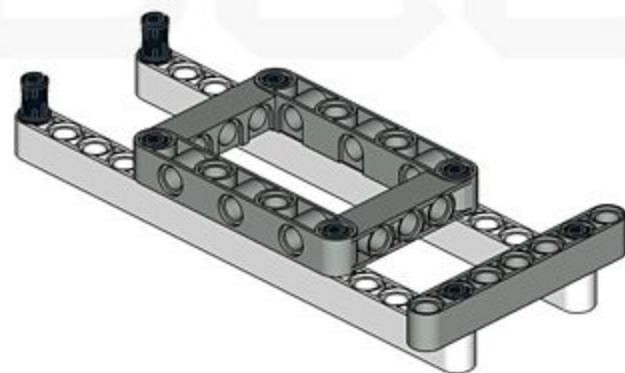
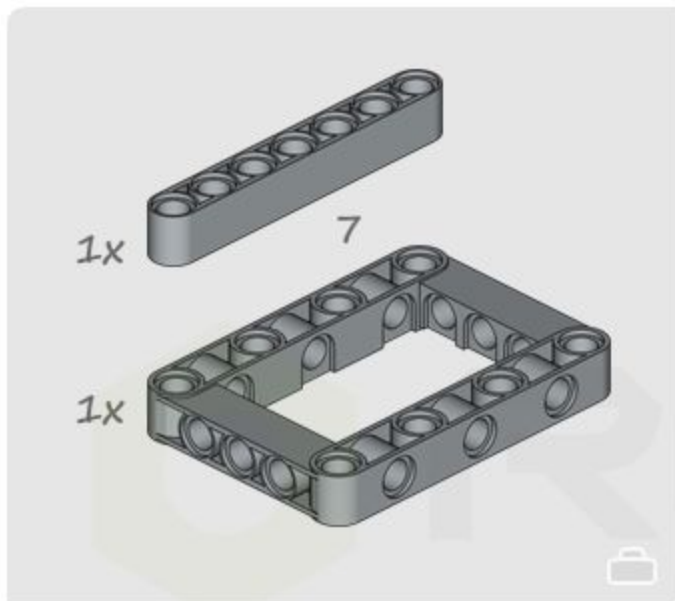




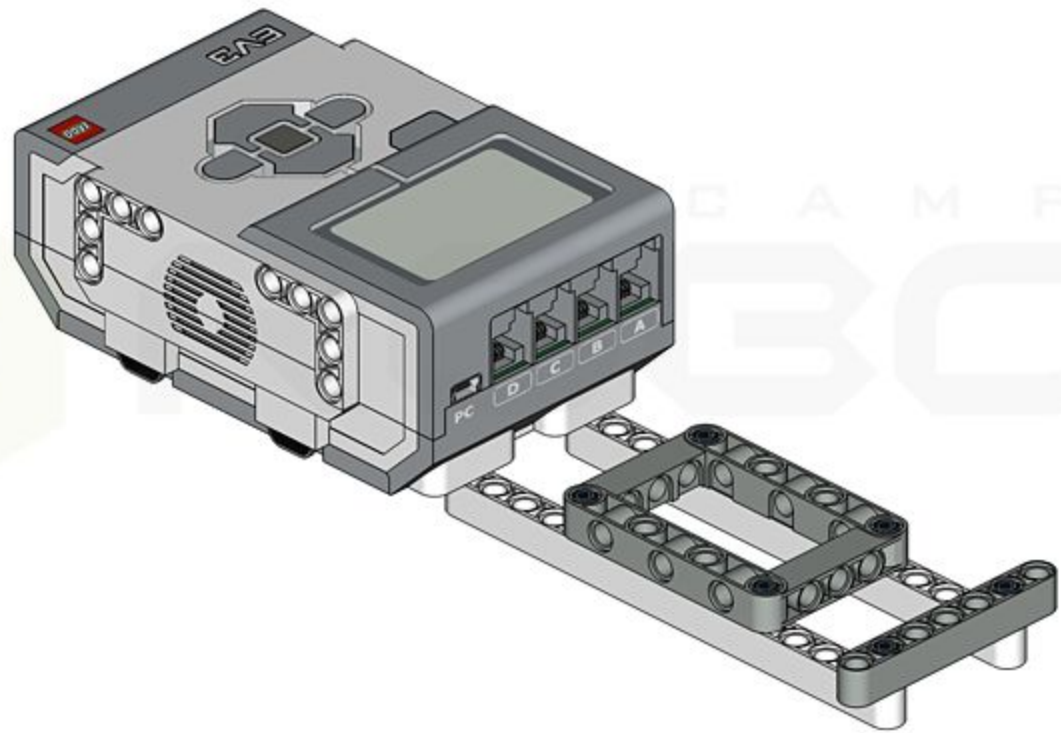


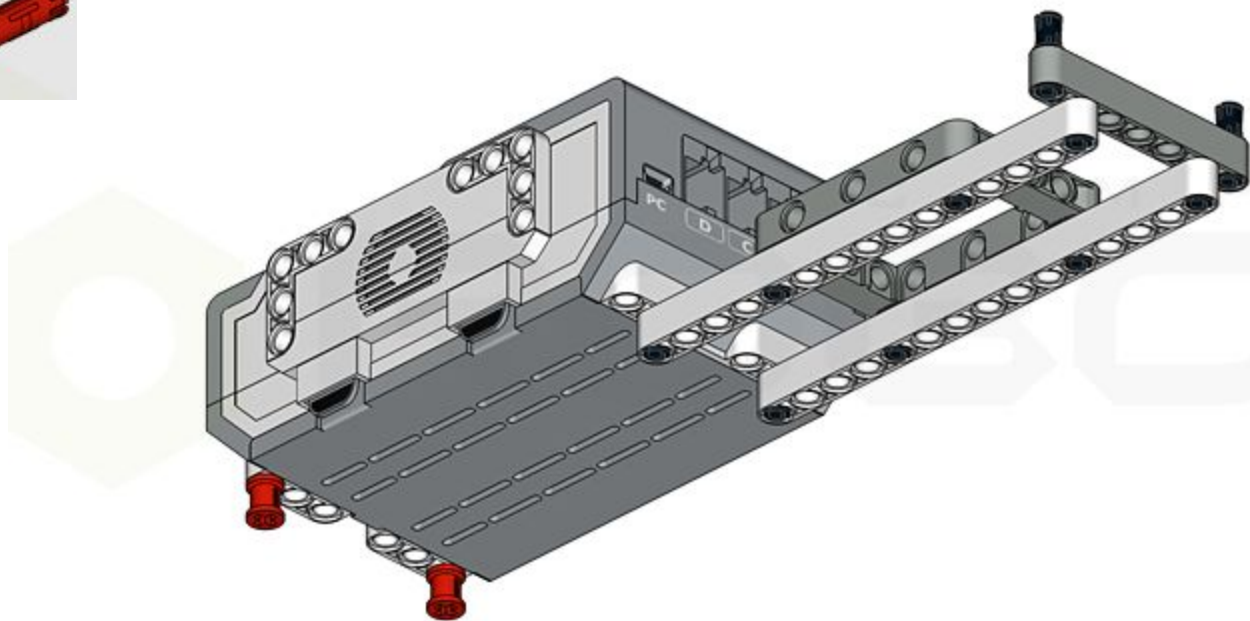
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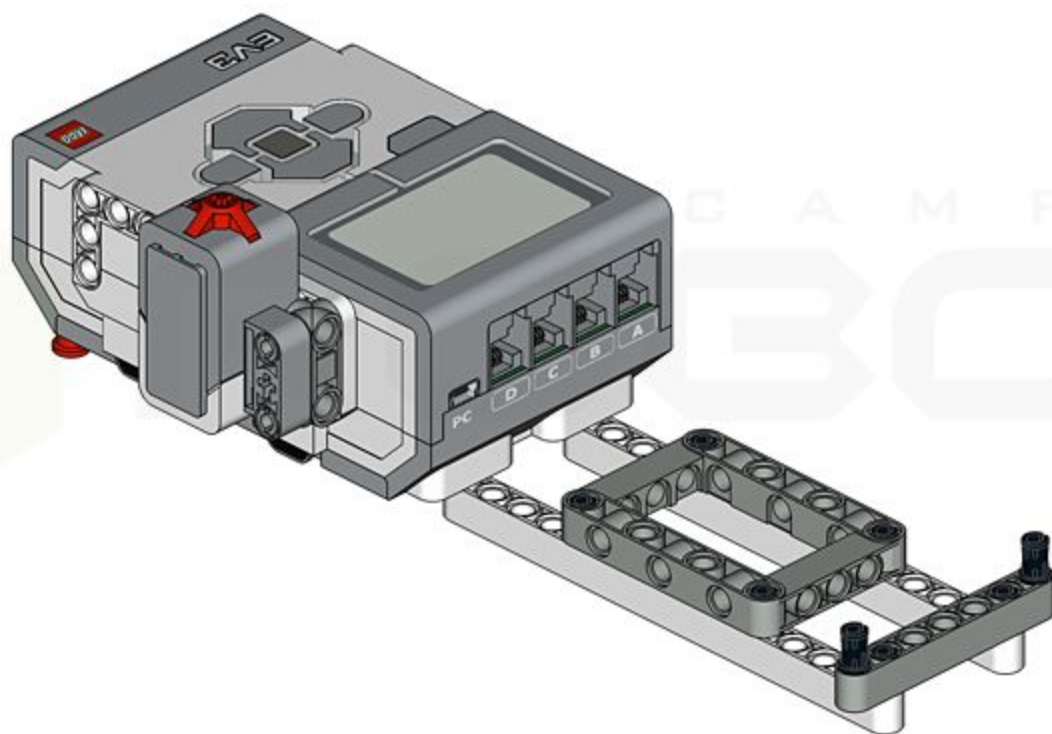
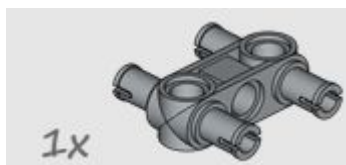


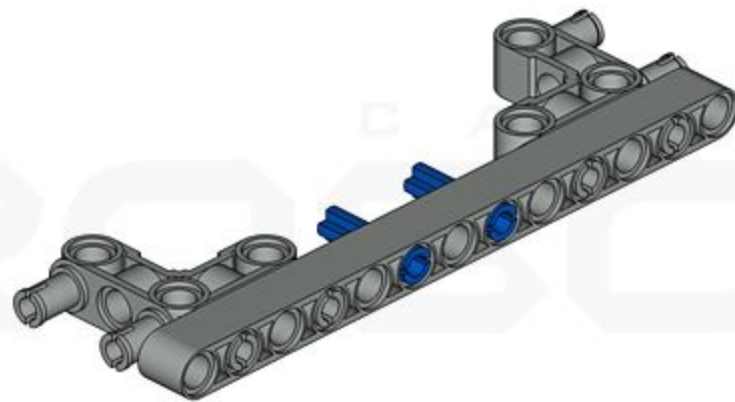
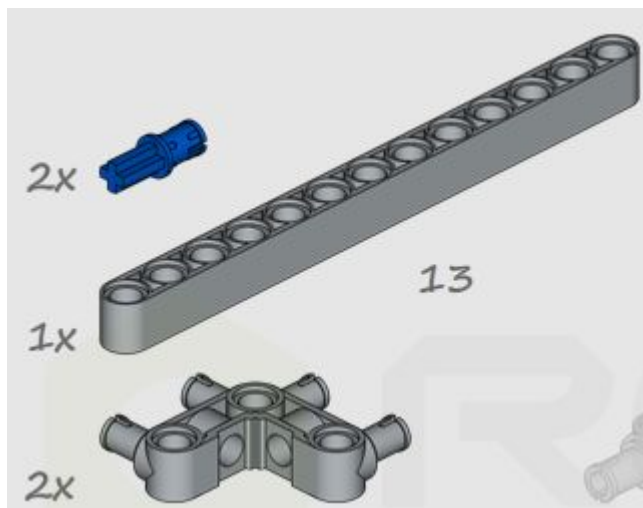


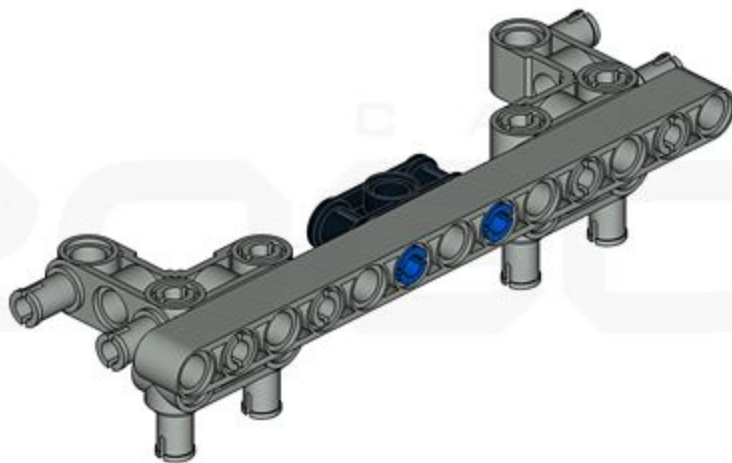


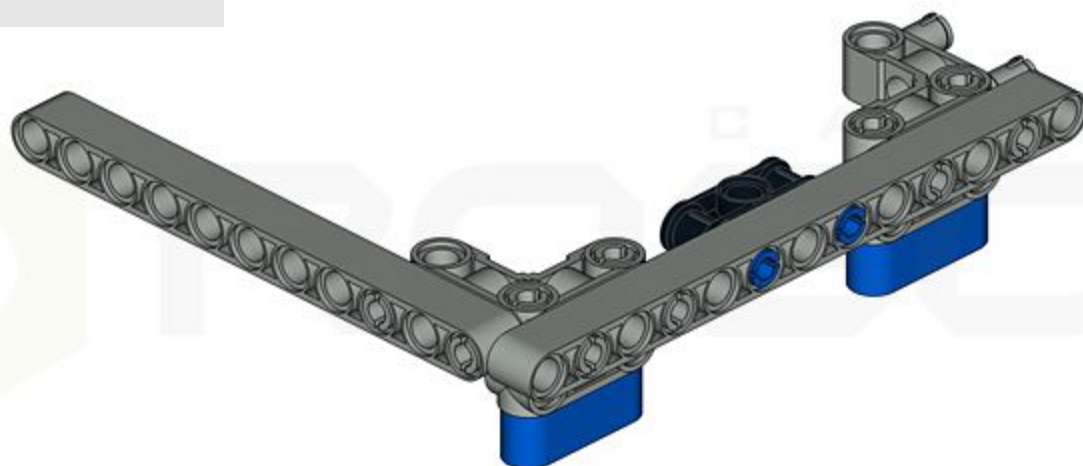
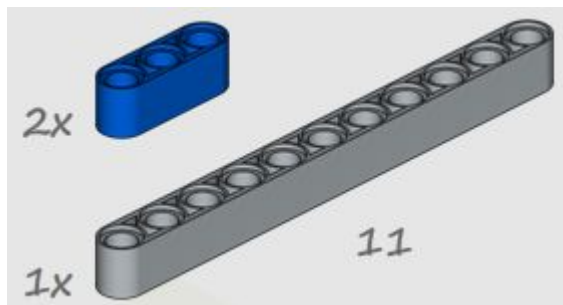


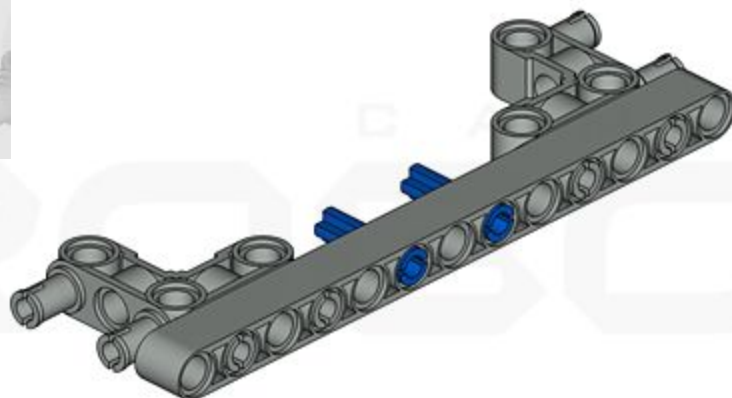
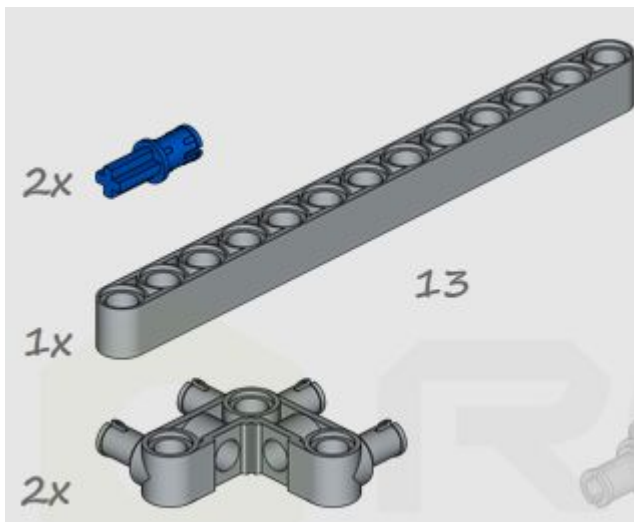


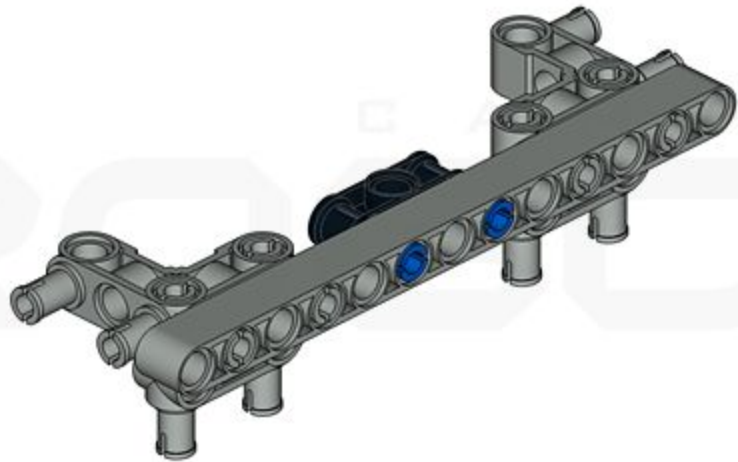




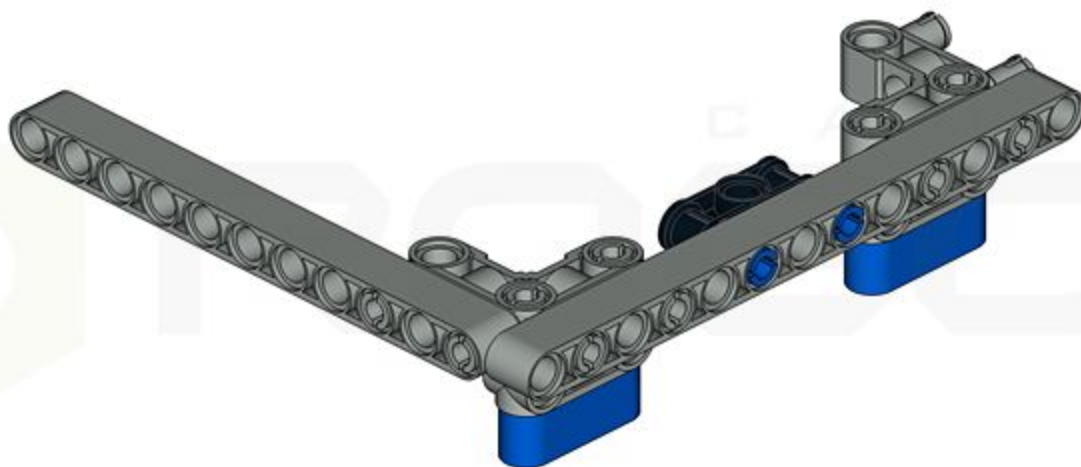
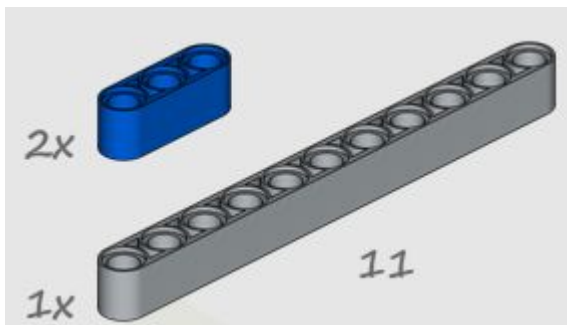


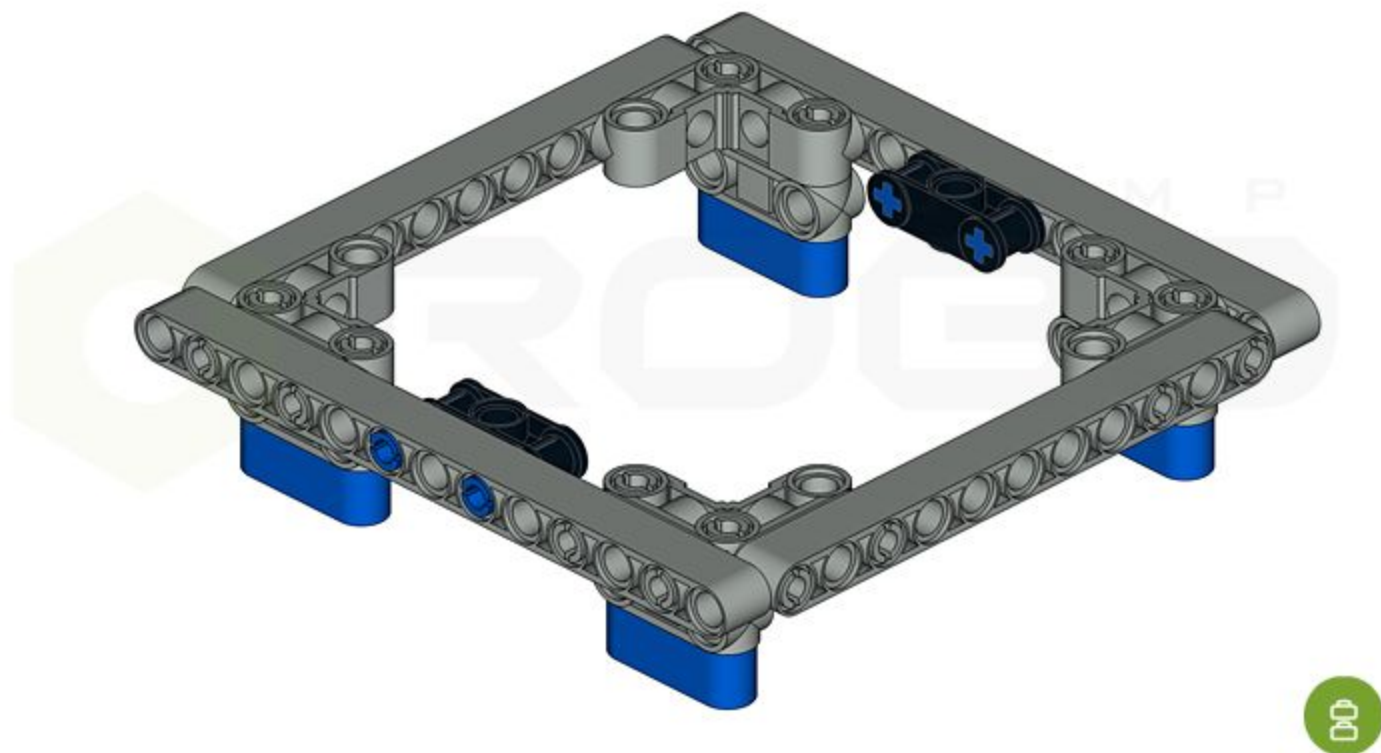


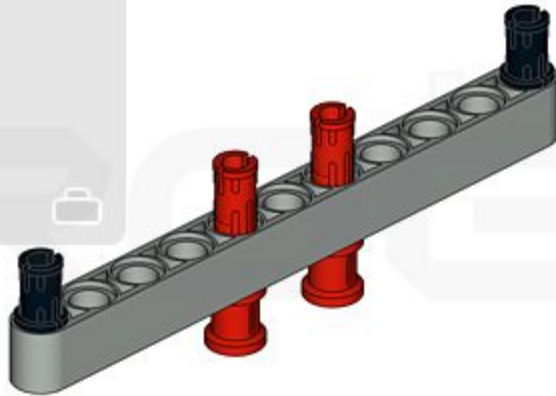
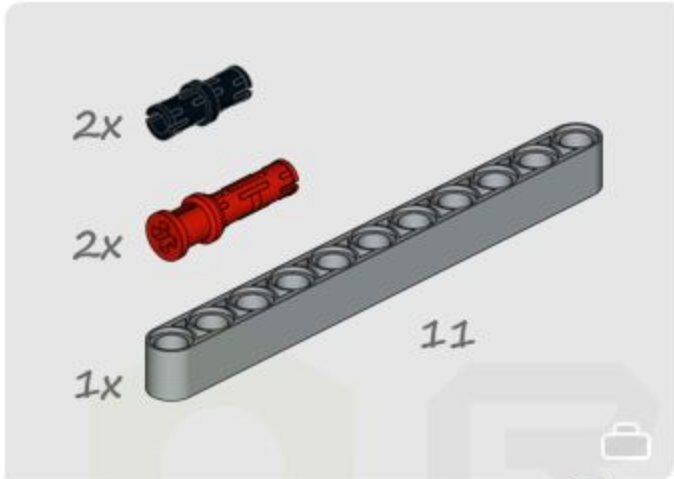


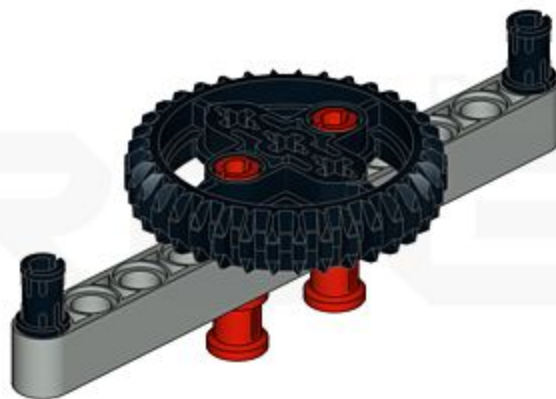
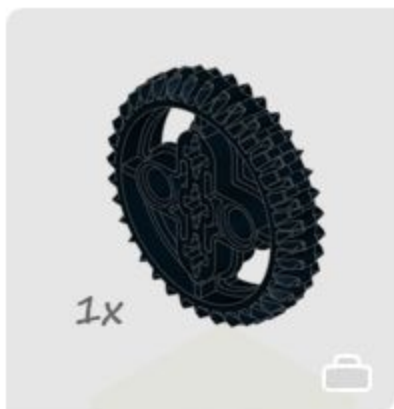


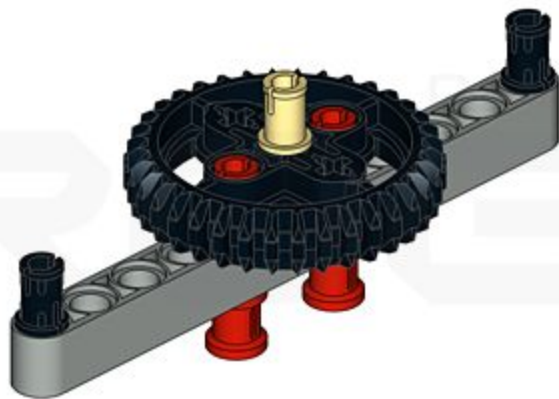


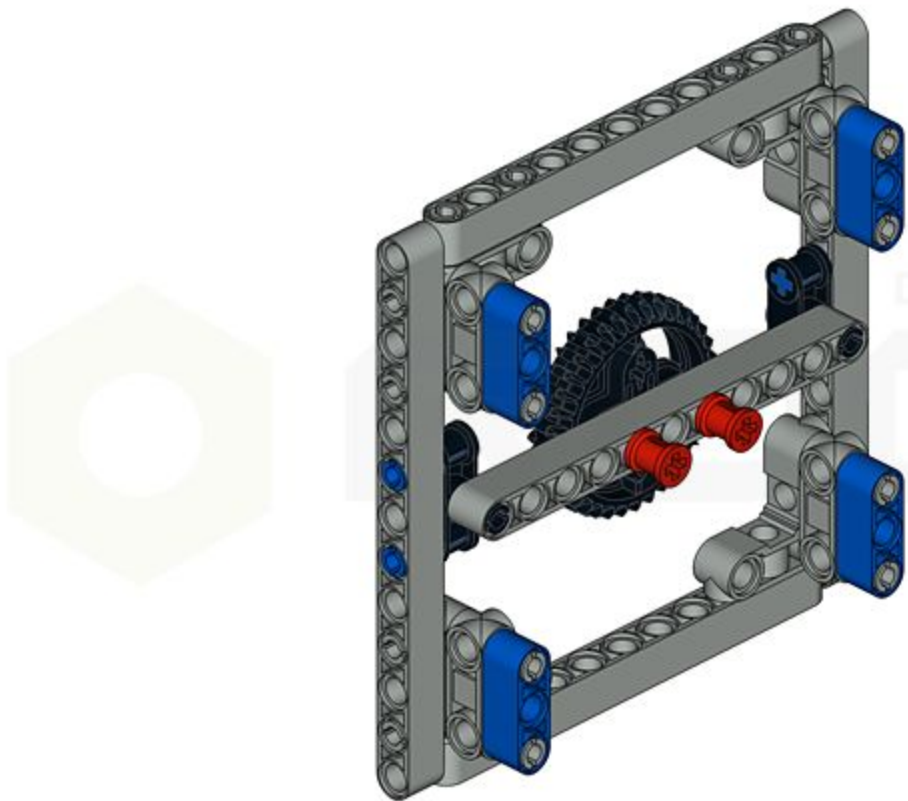


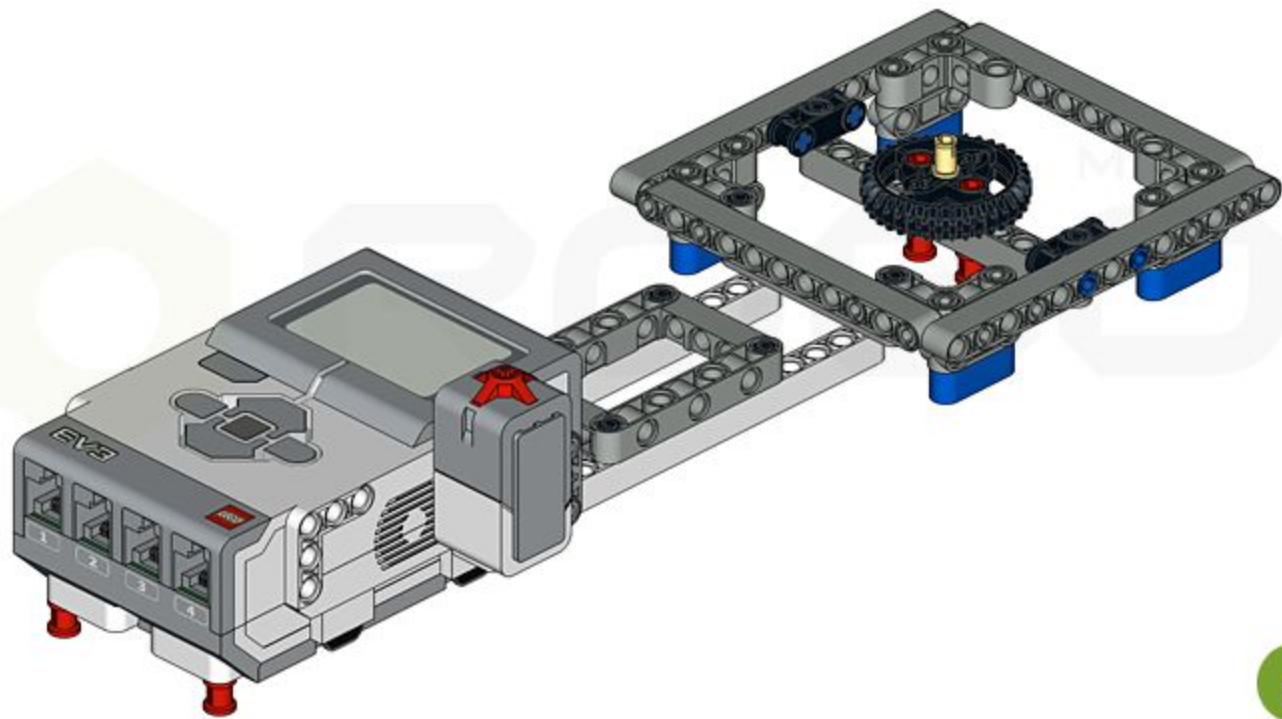


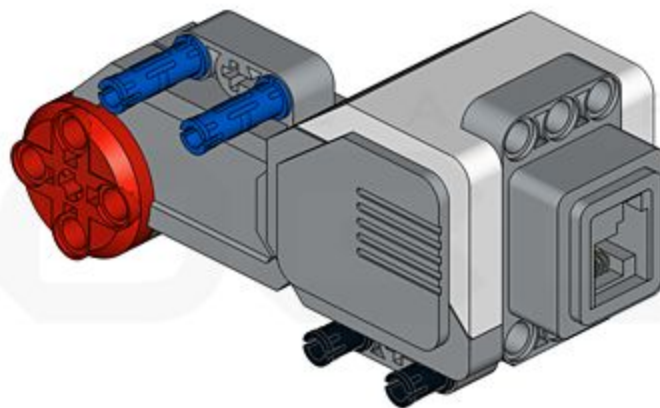




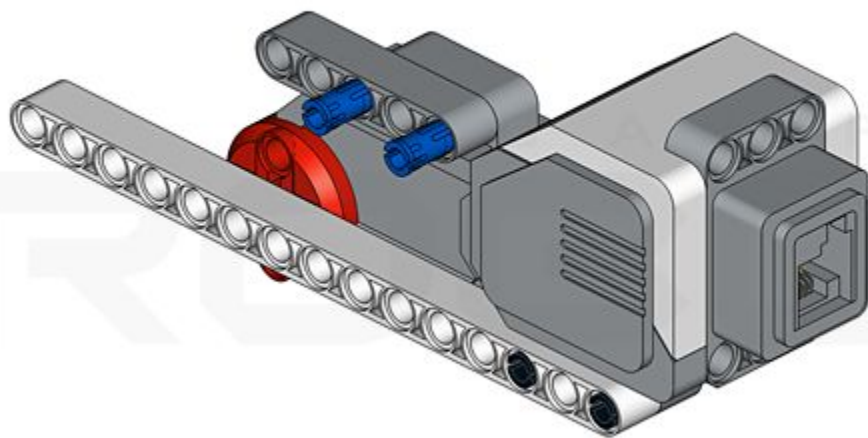
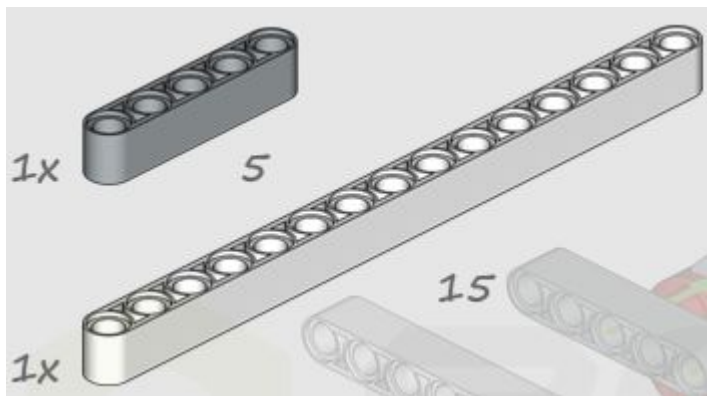








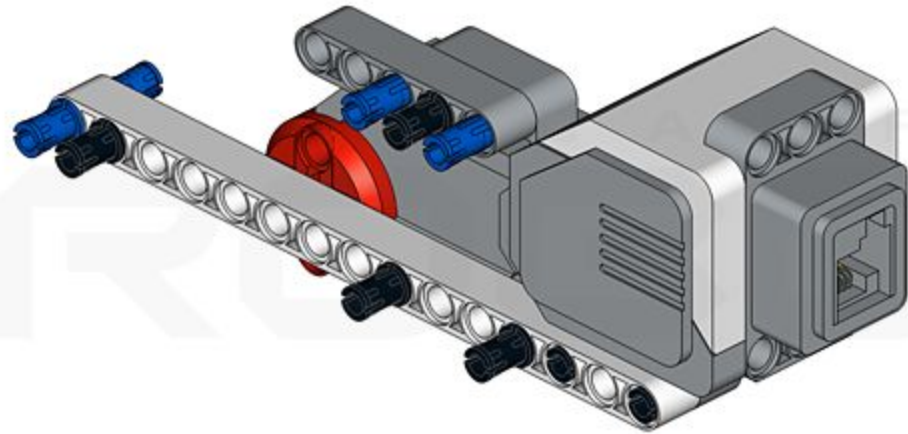


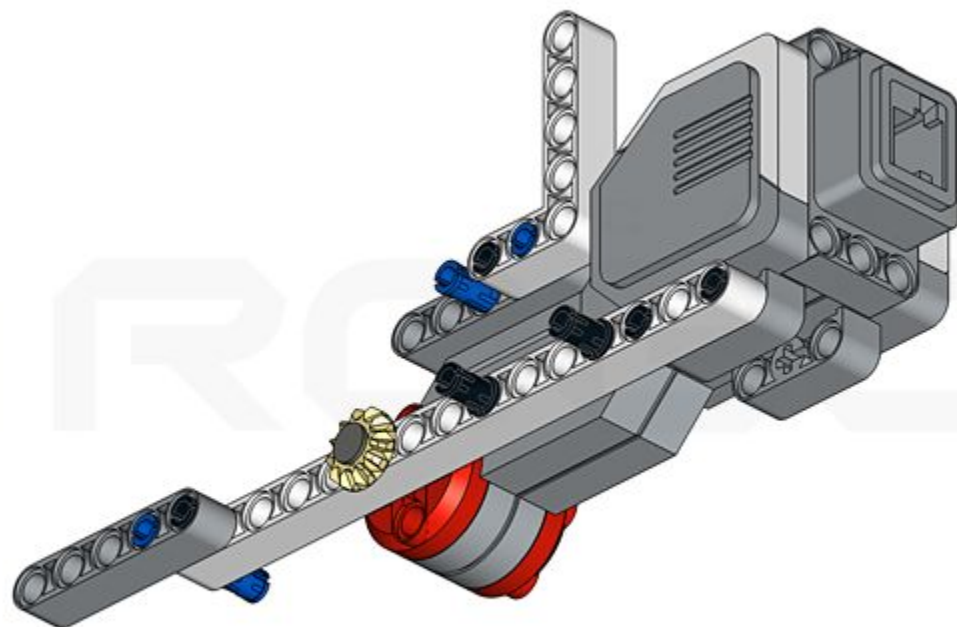
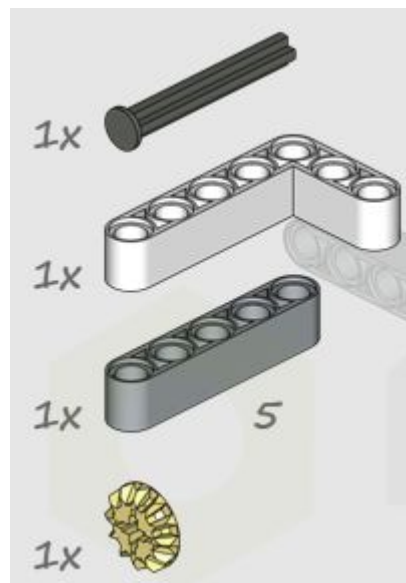


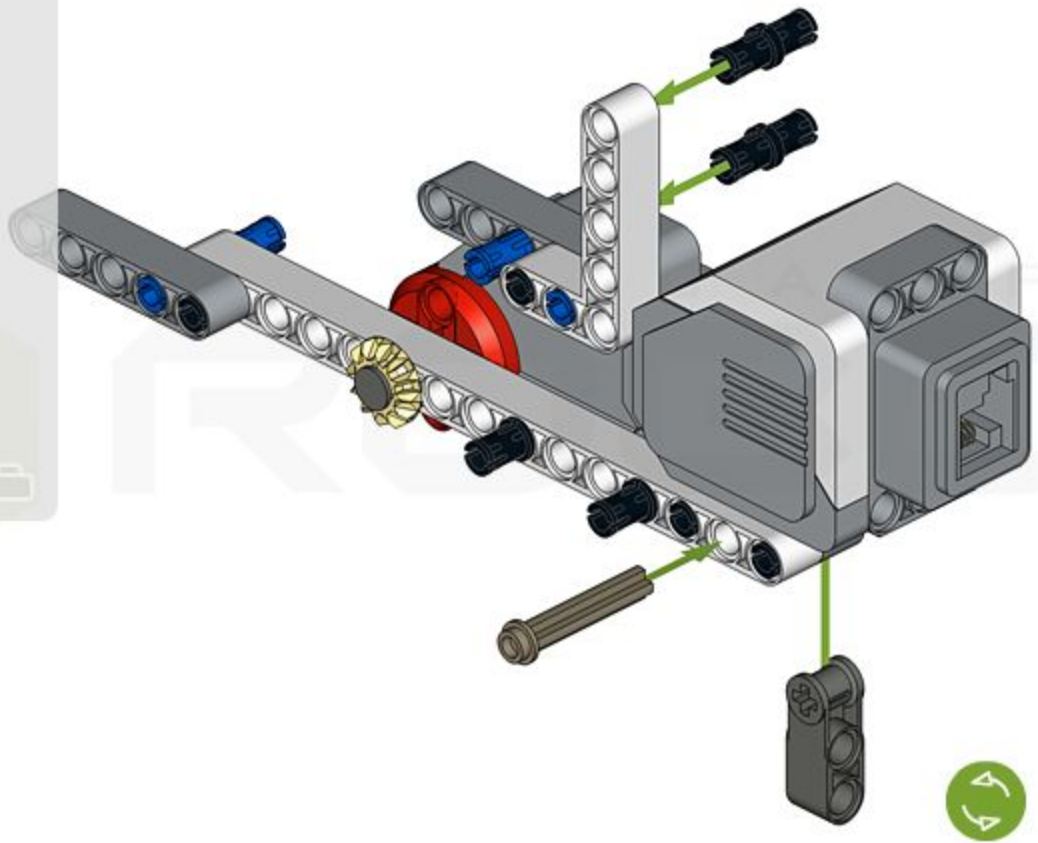
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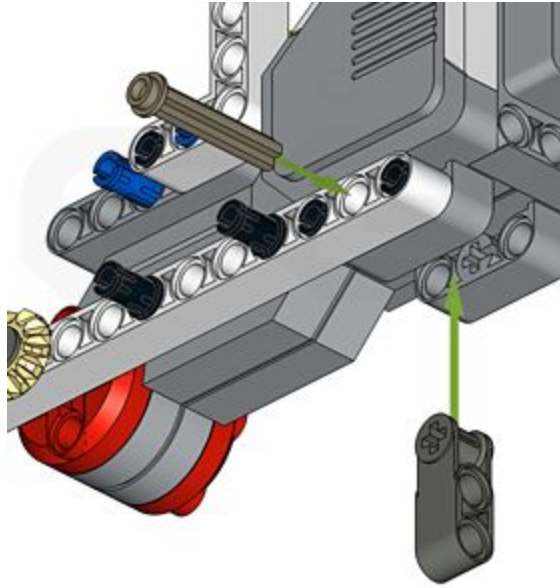


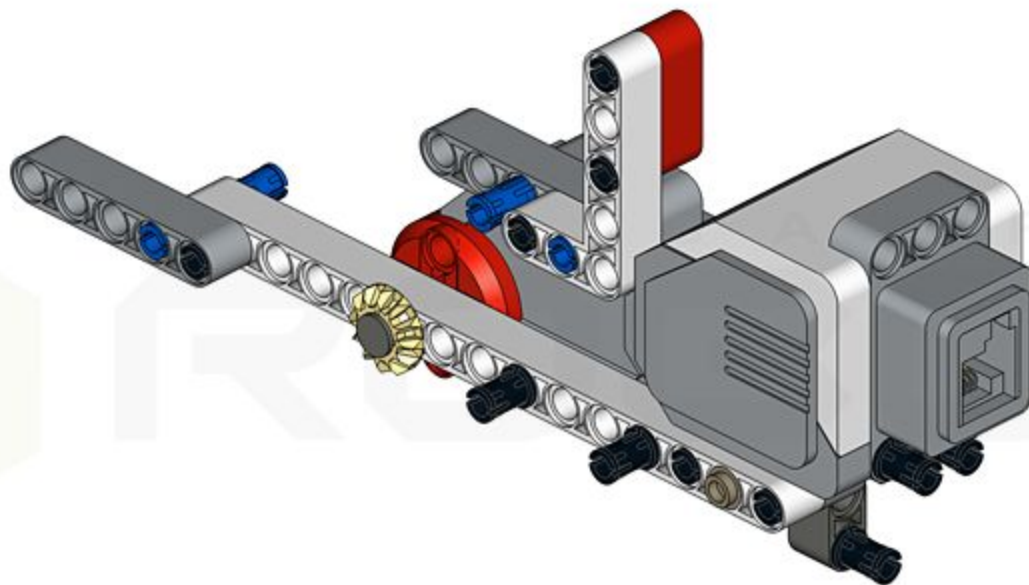
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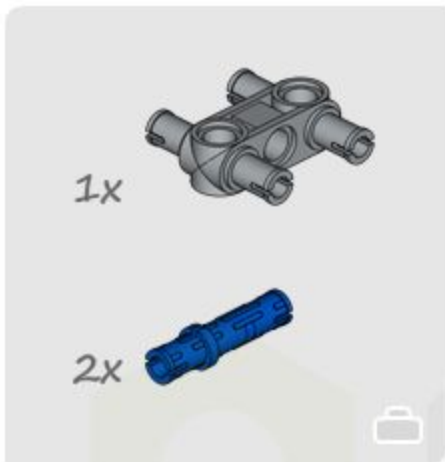


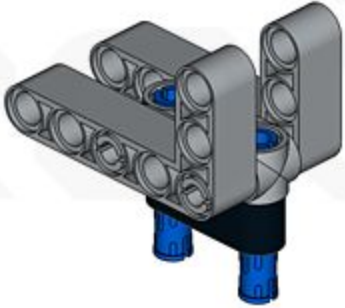
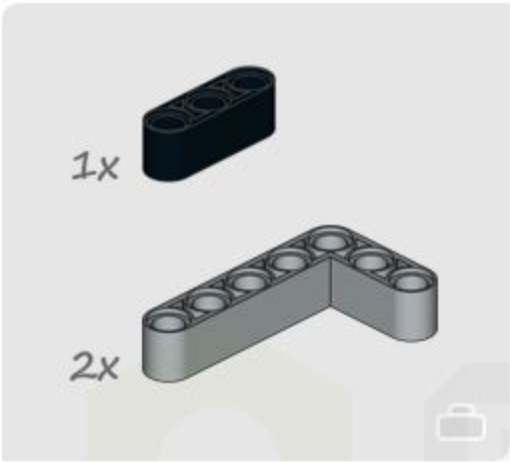






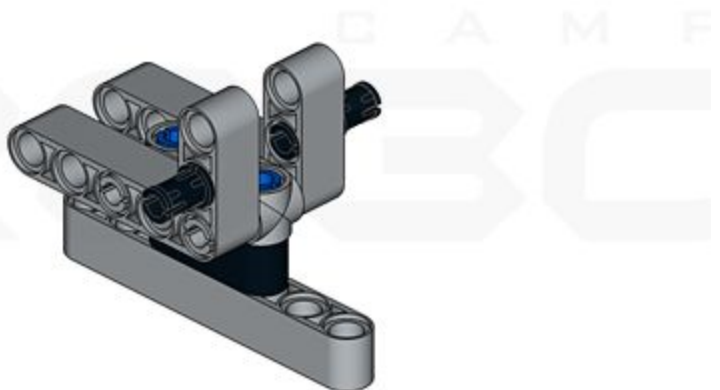
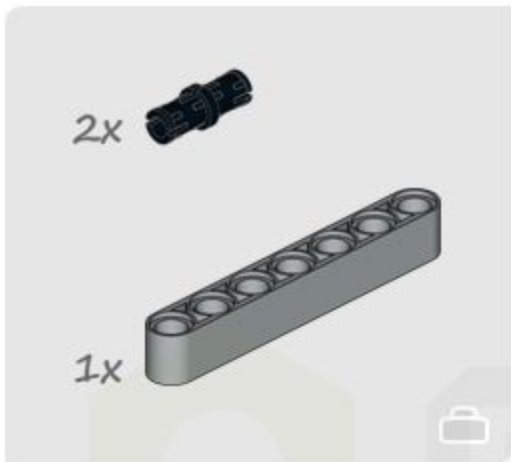


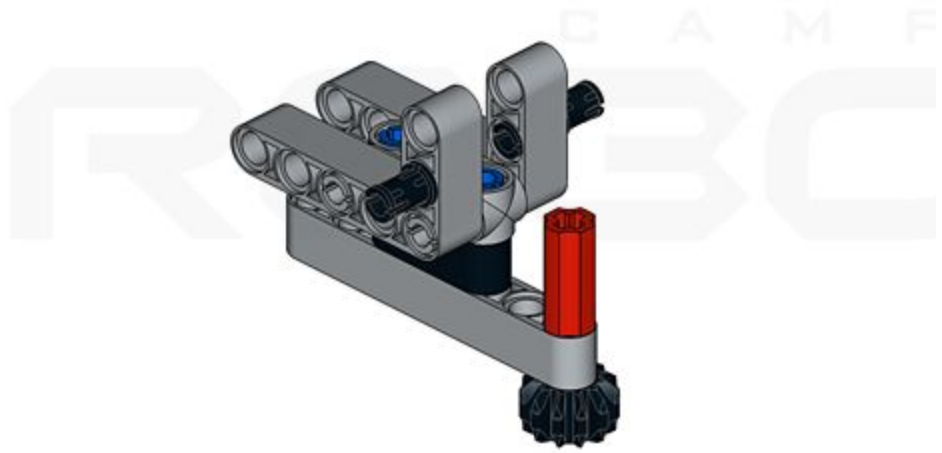
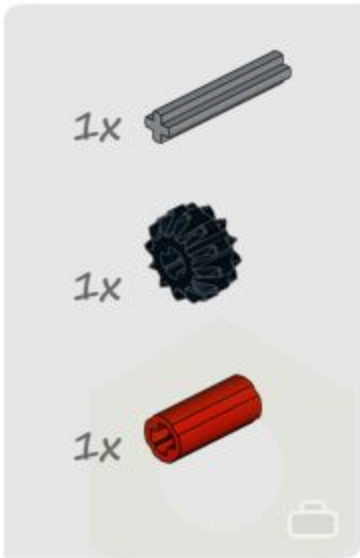


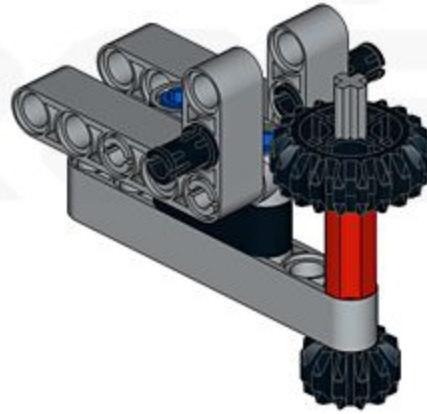


CAMP  
RBC

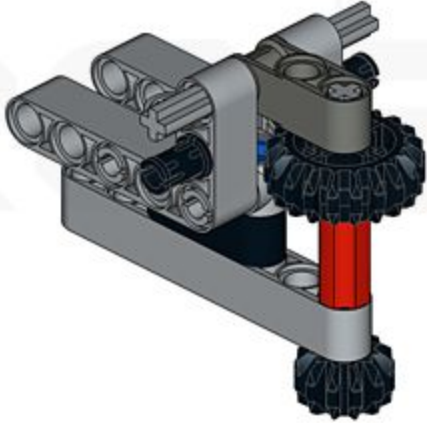


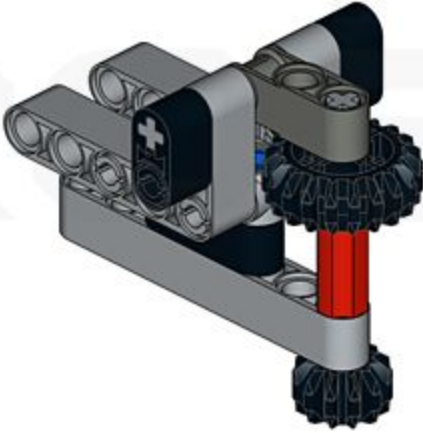


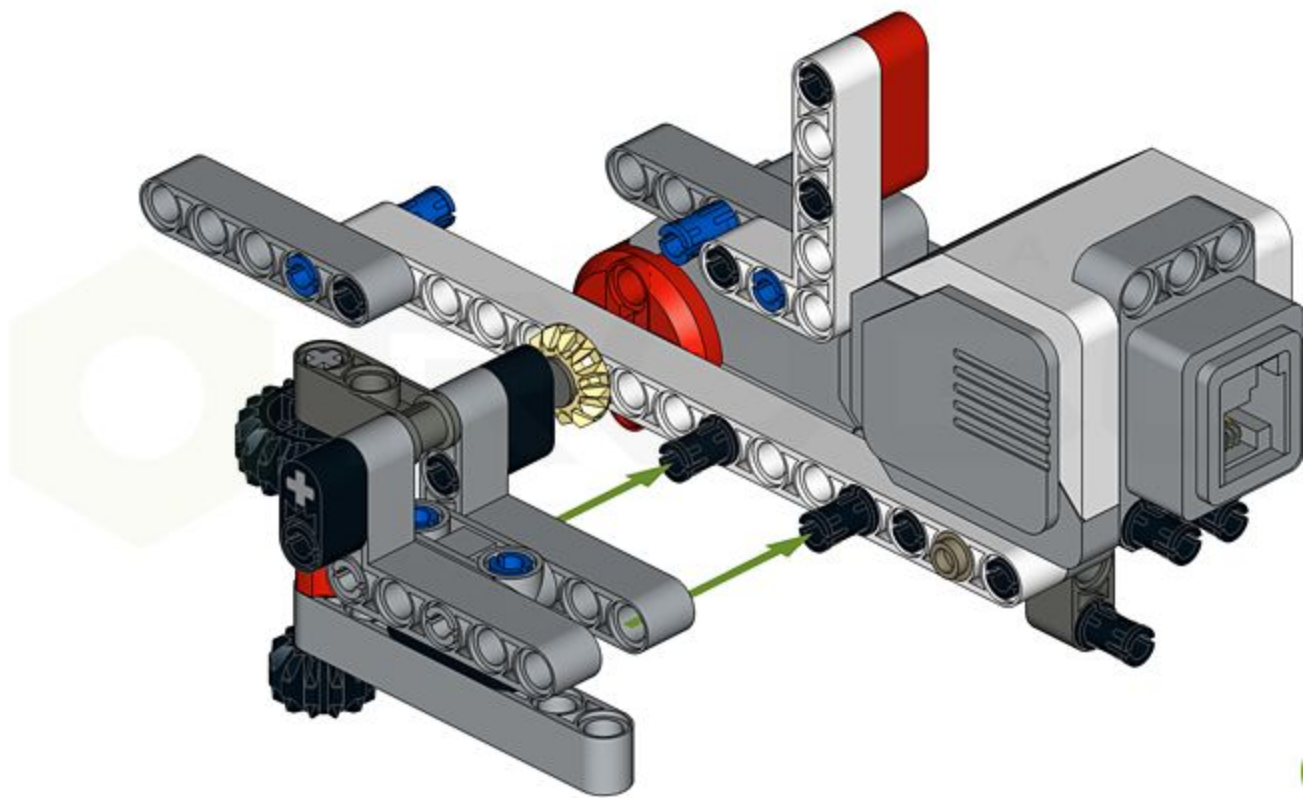


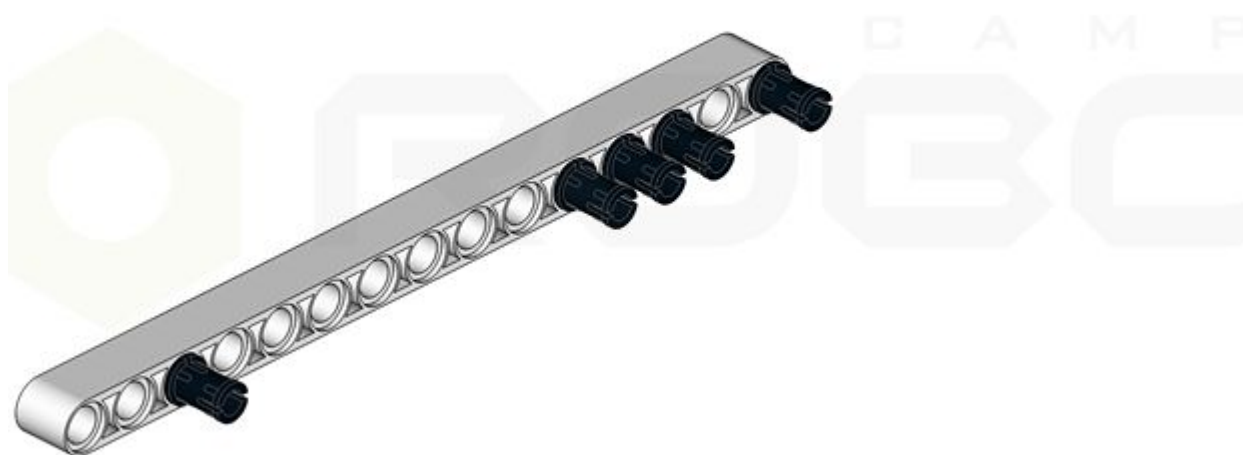
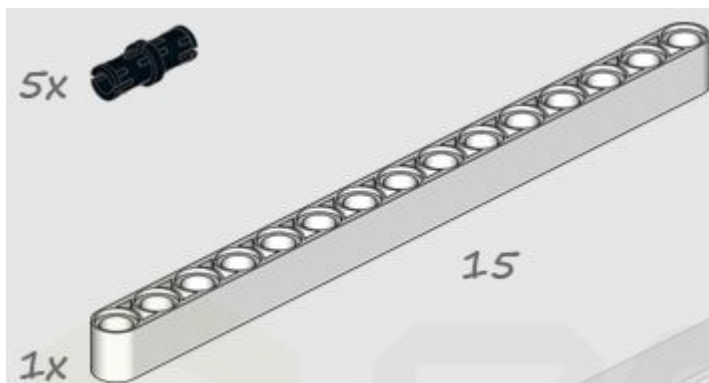


RAMP  
R3C





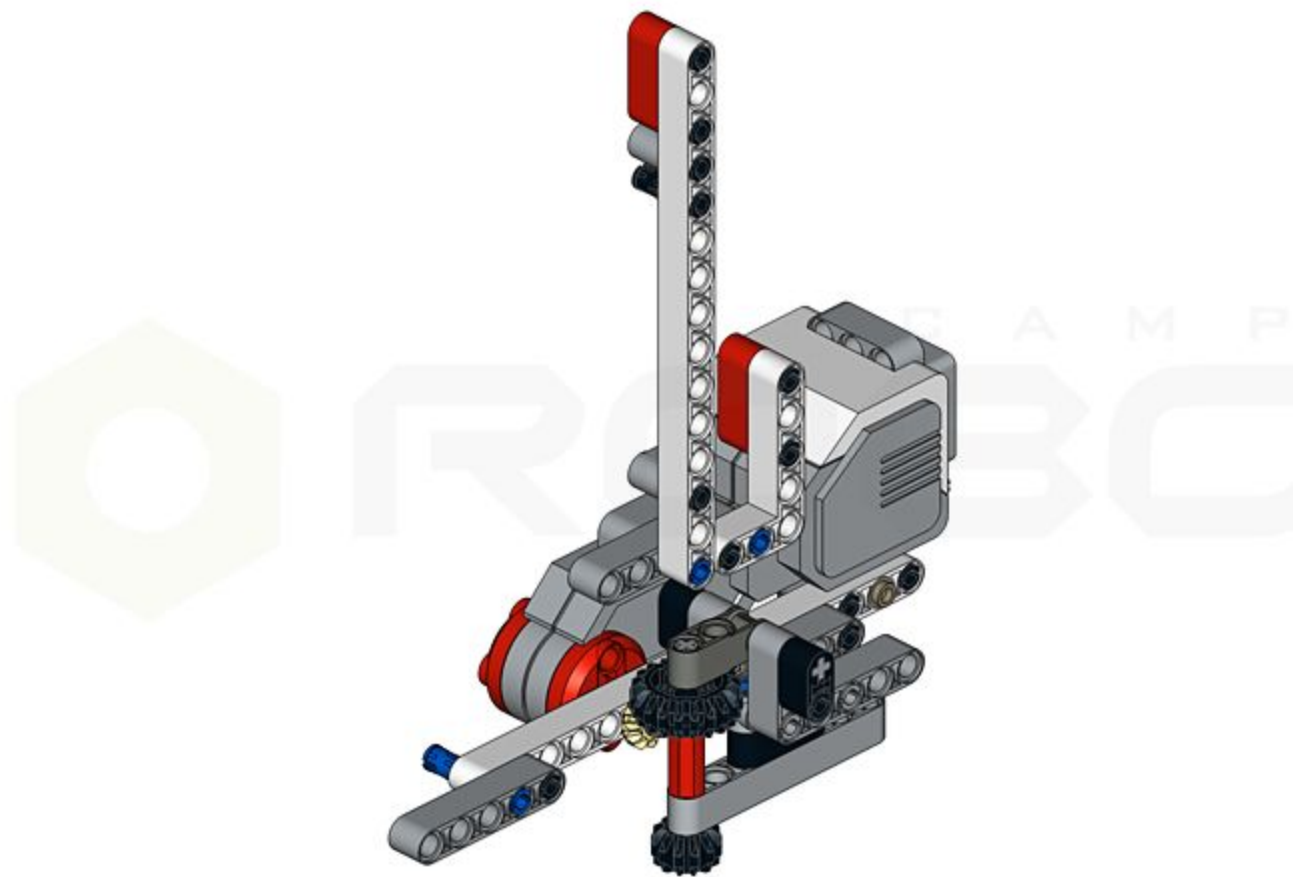




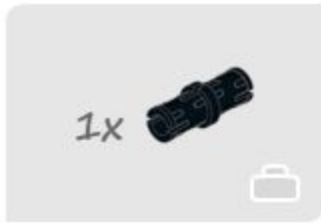


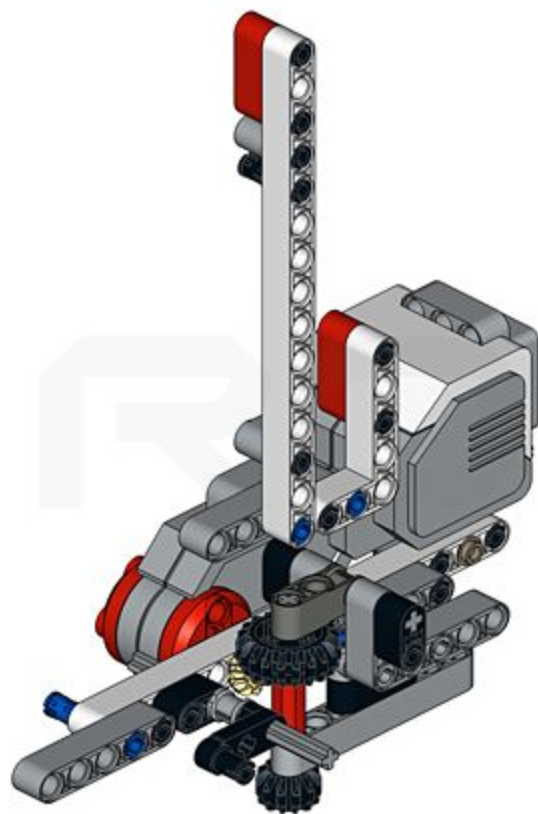








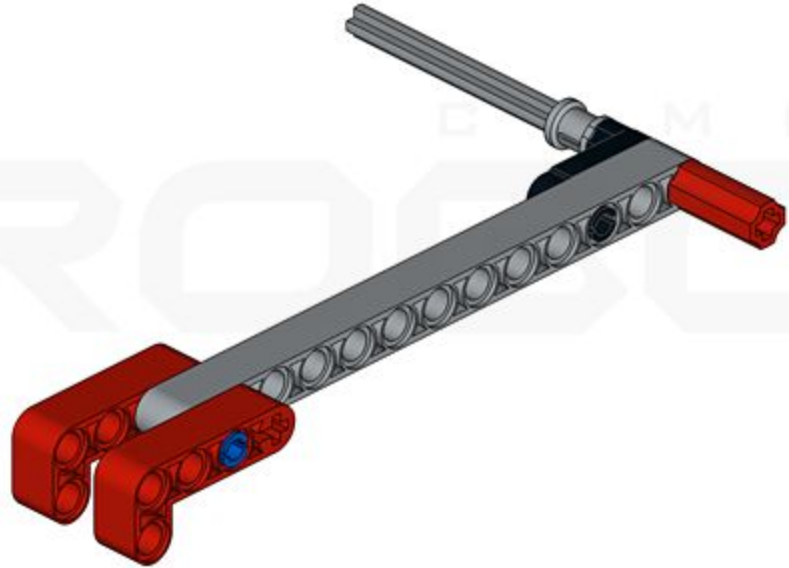
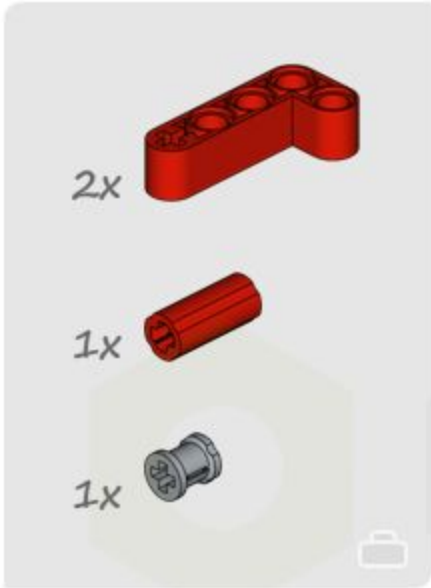


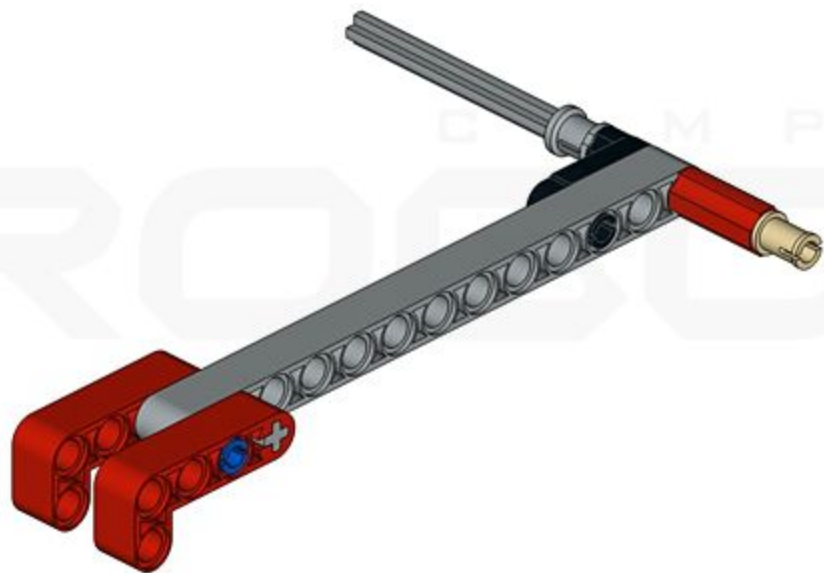


C A M F

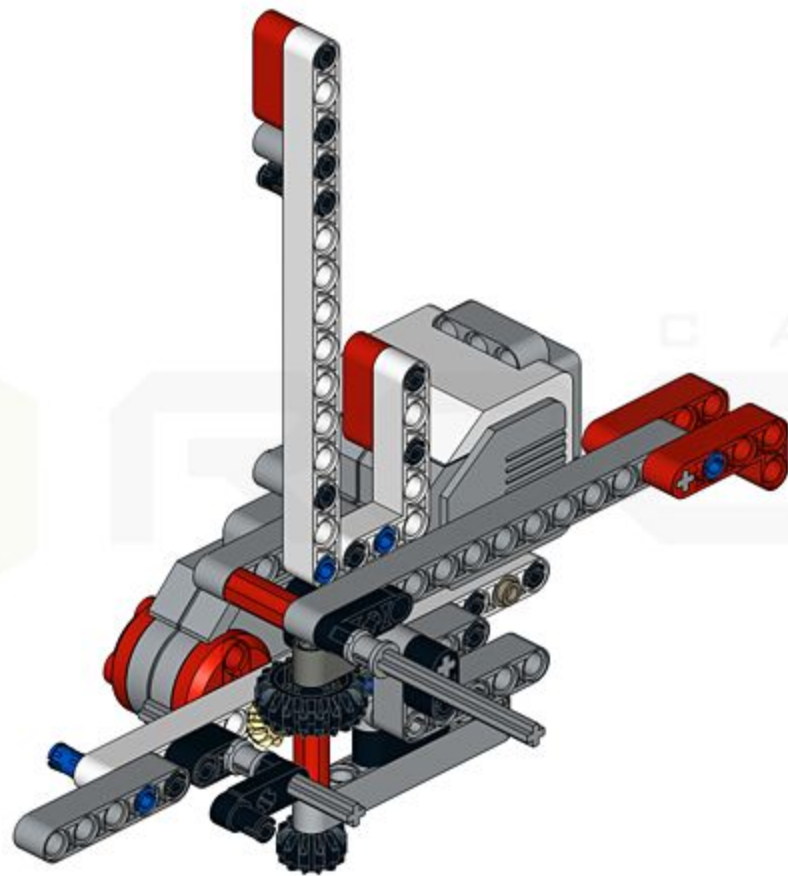
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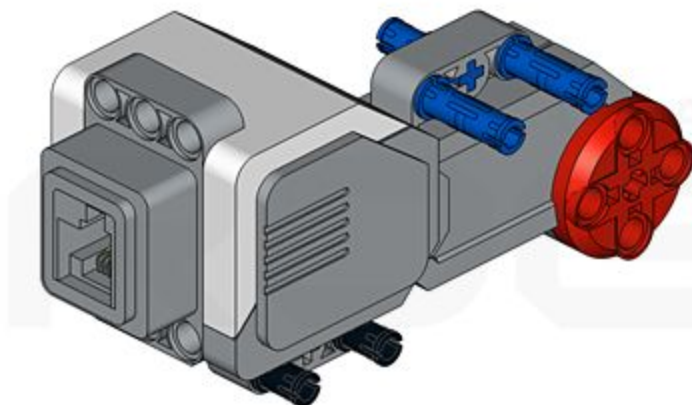


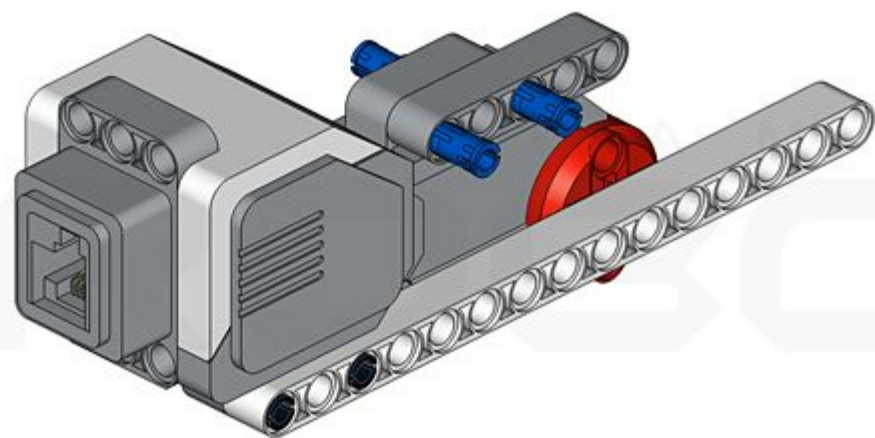
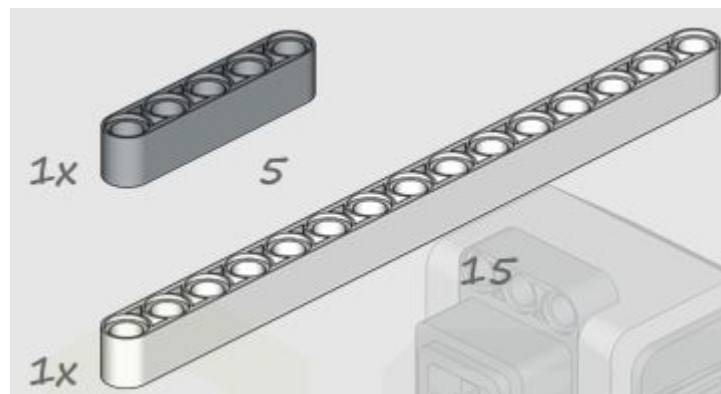


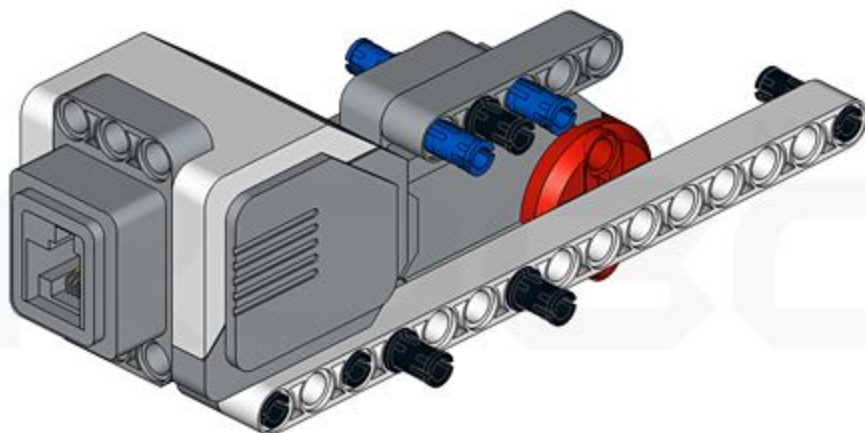


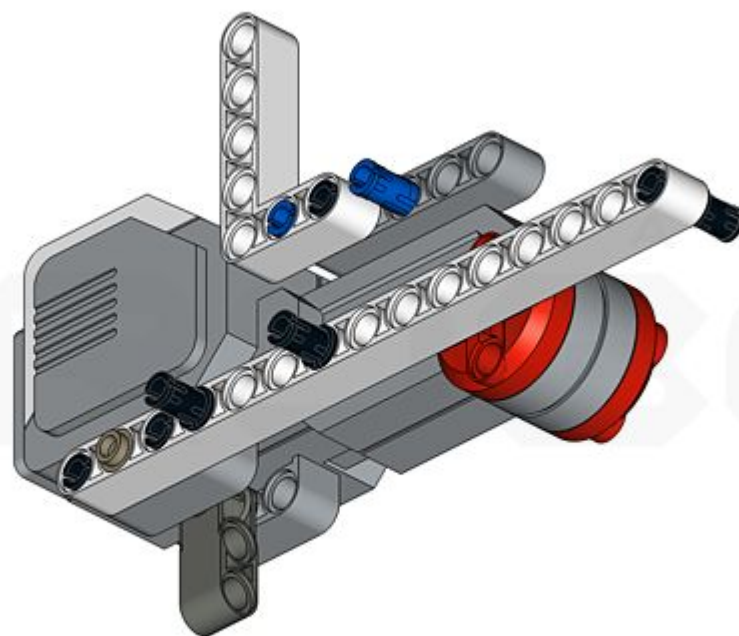
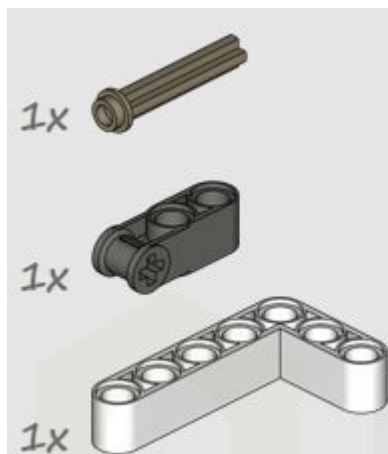


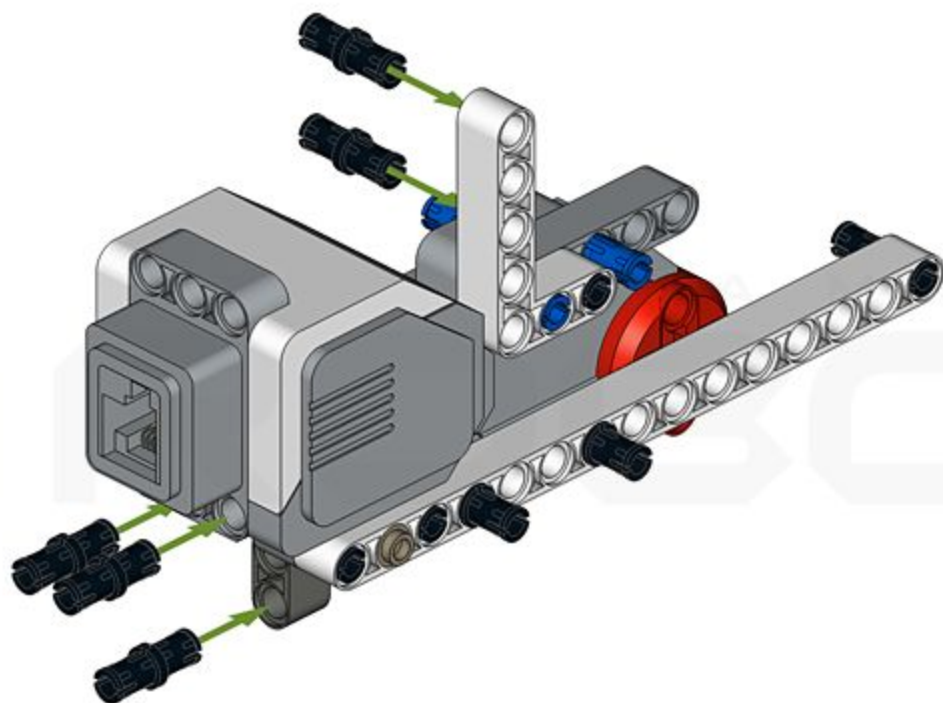


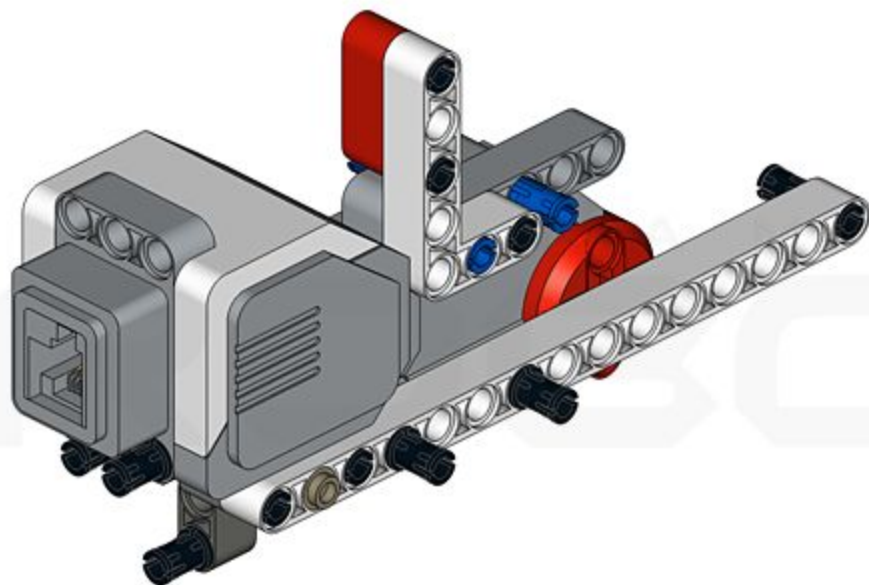
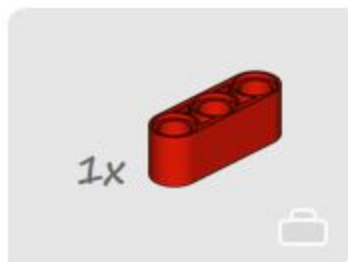


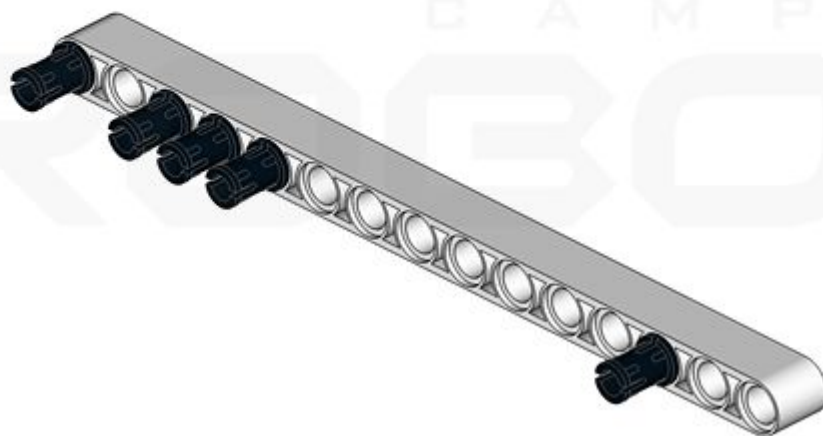
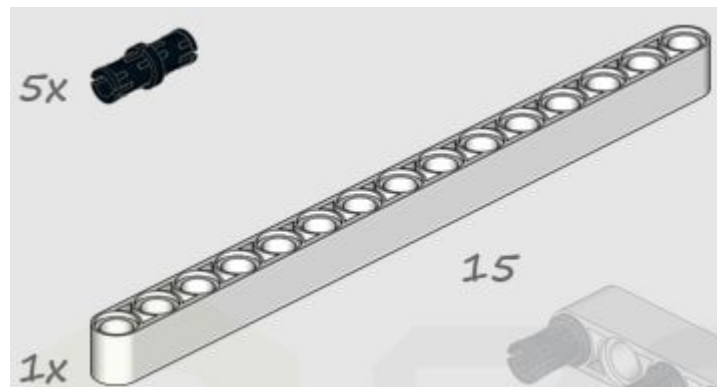




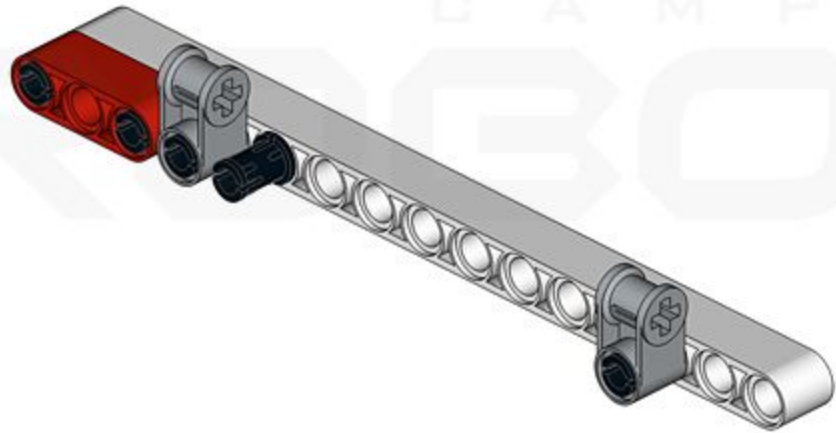


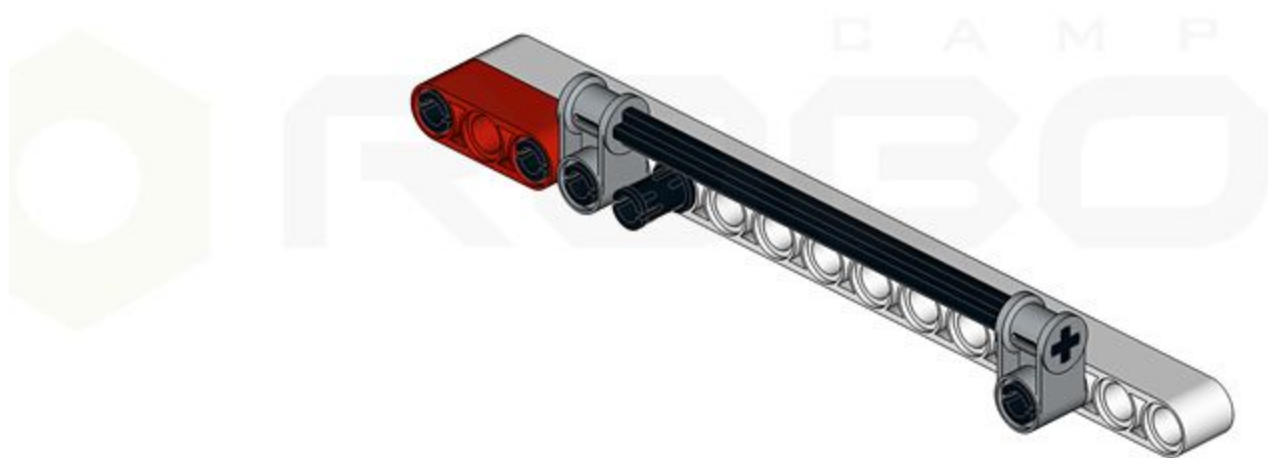


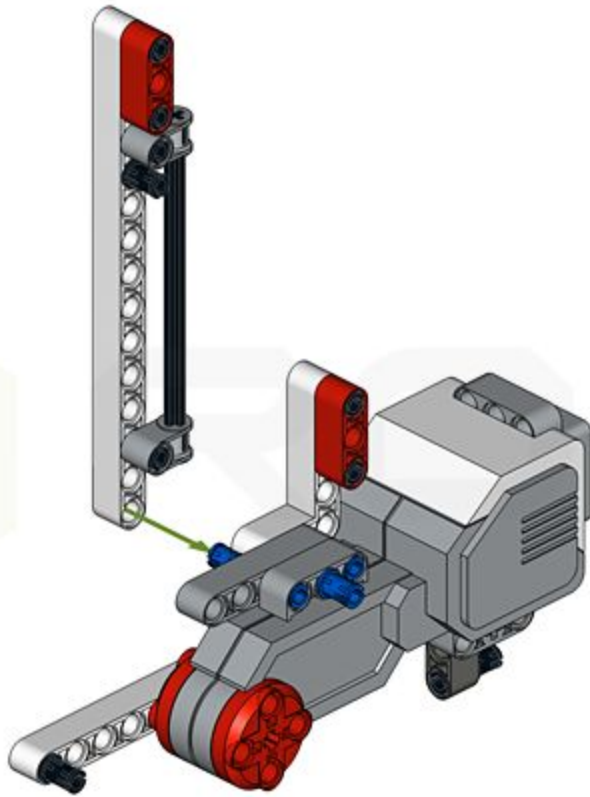




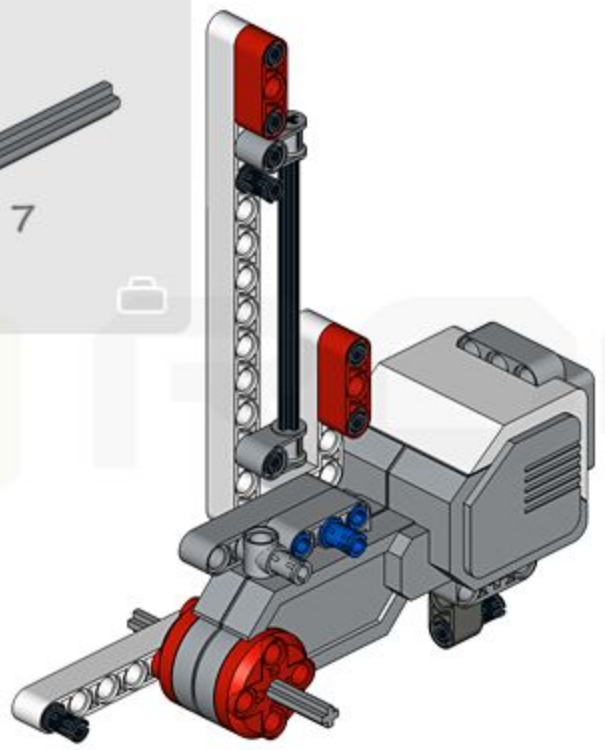
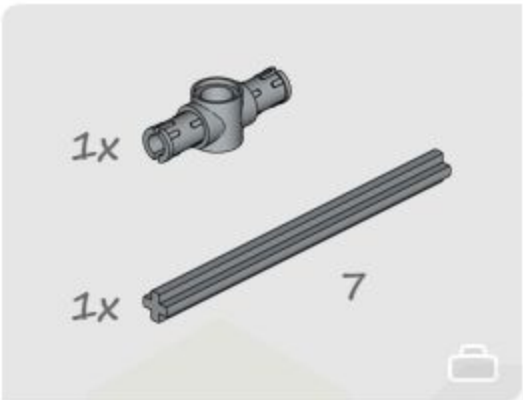




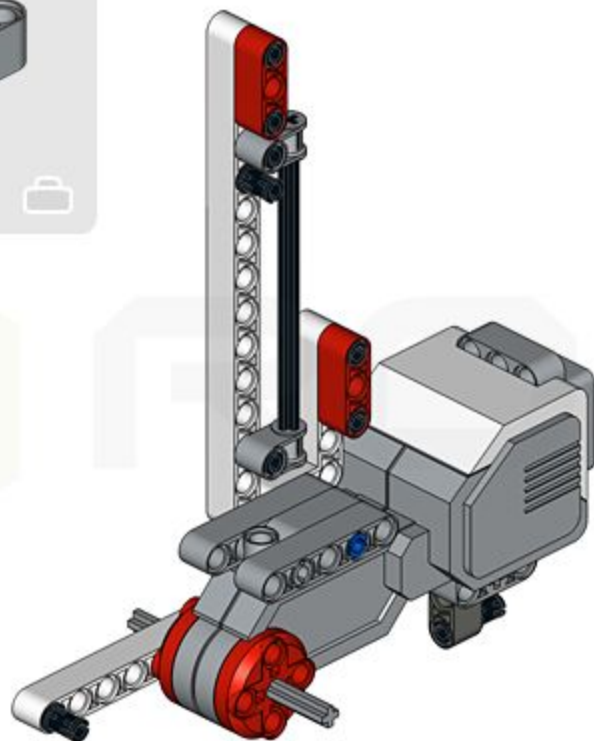
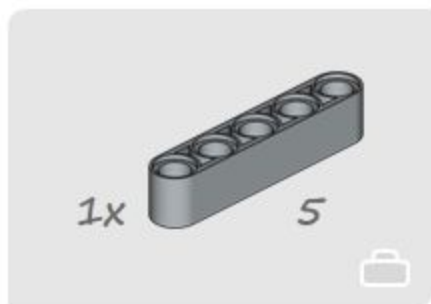




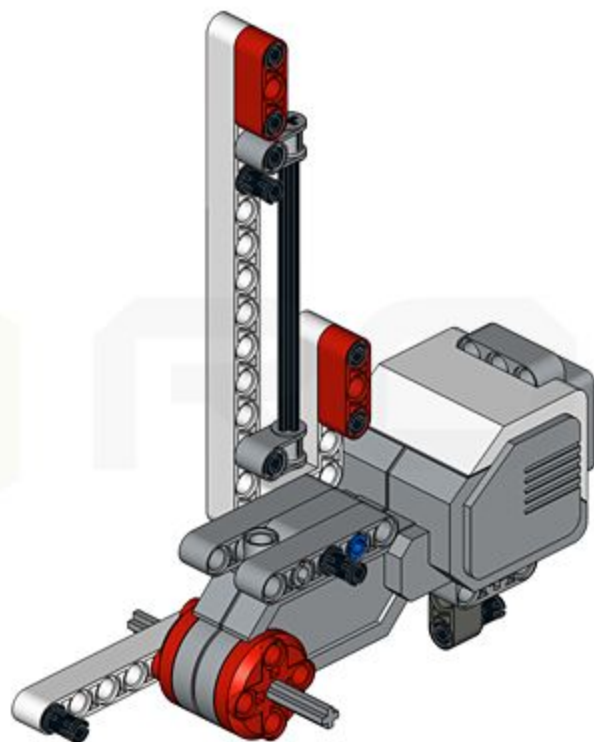
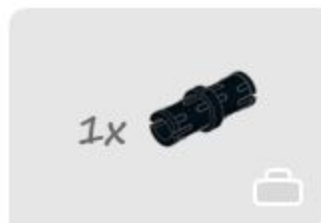
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BC



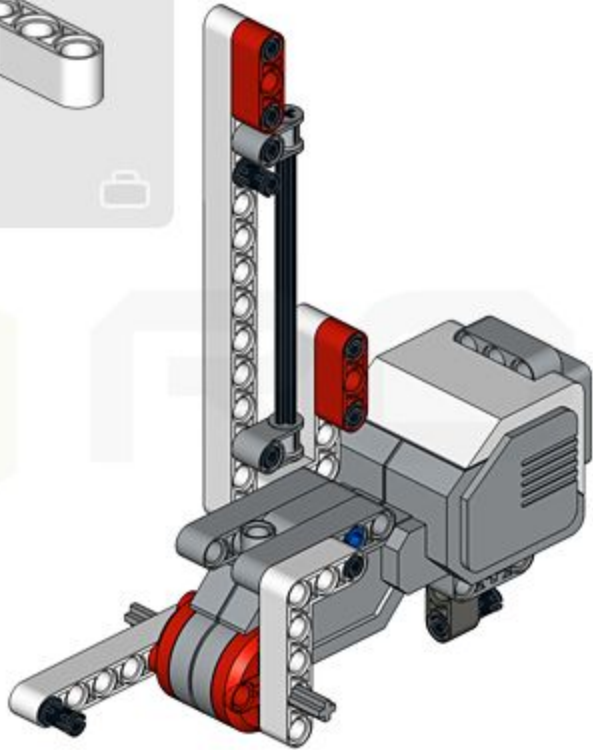
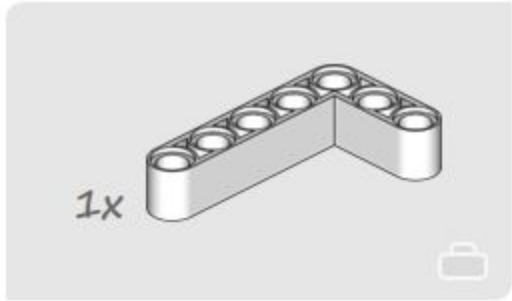
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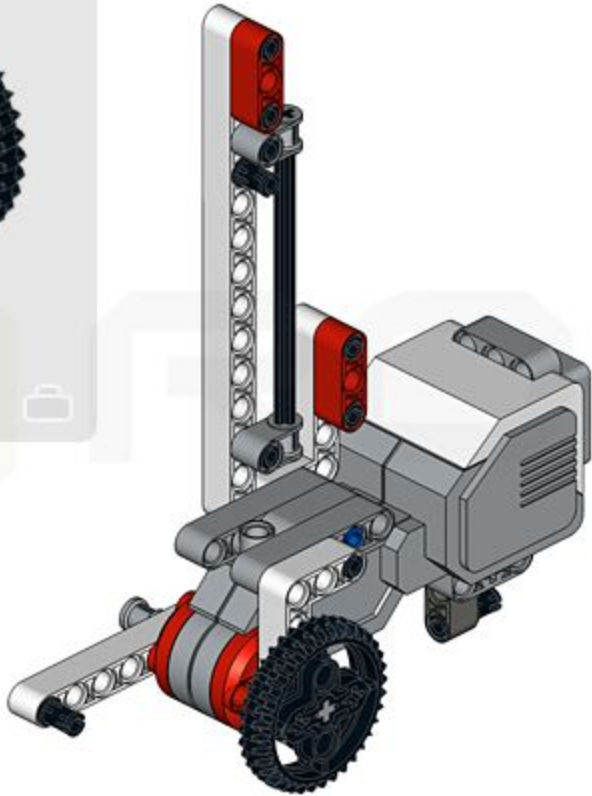
CAMP  
BC



CAMP  
GBC

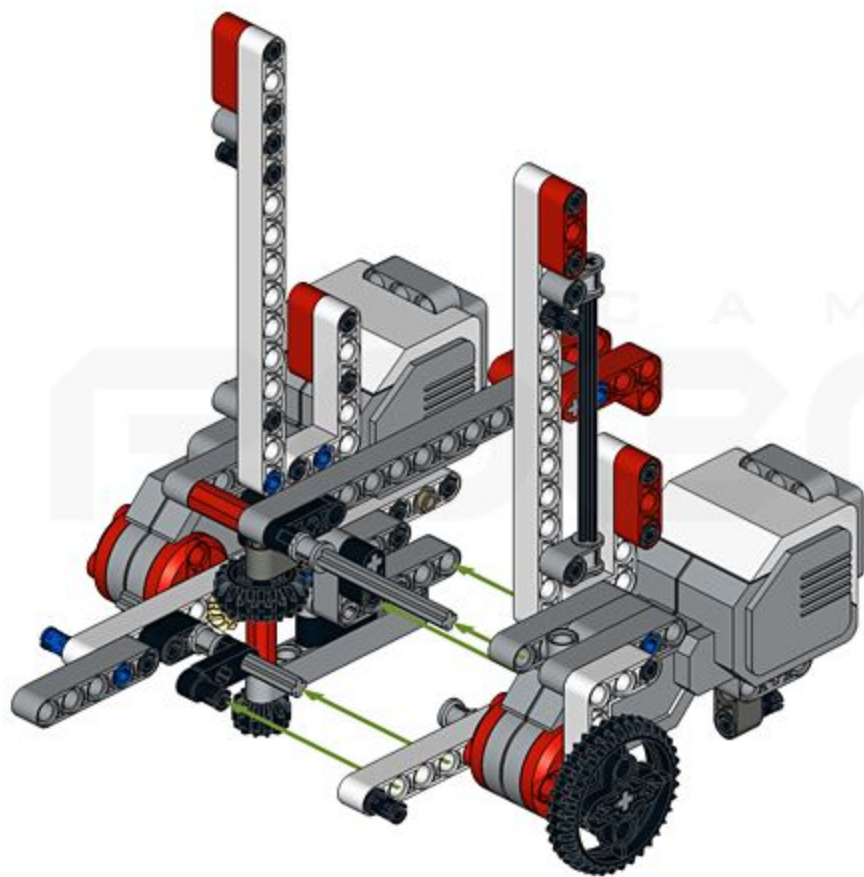


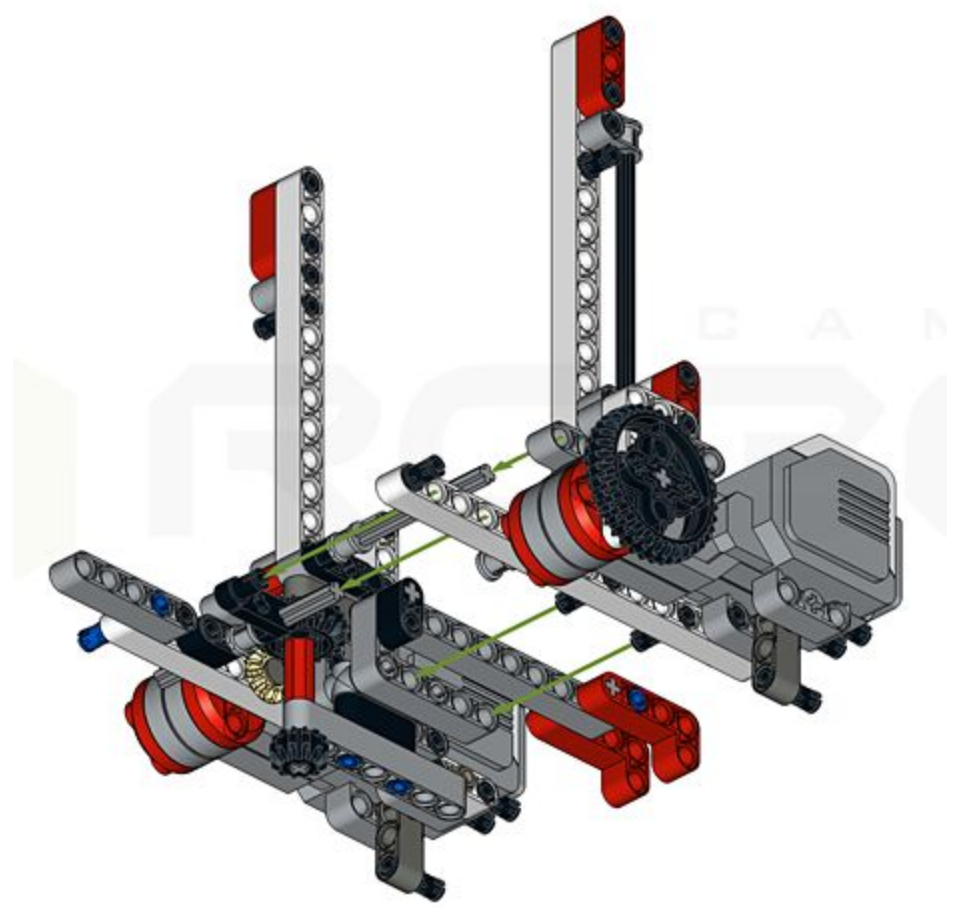
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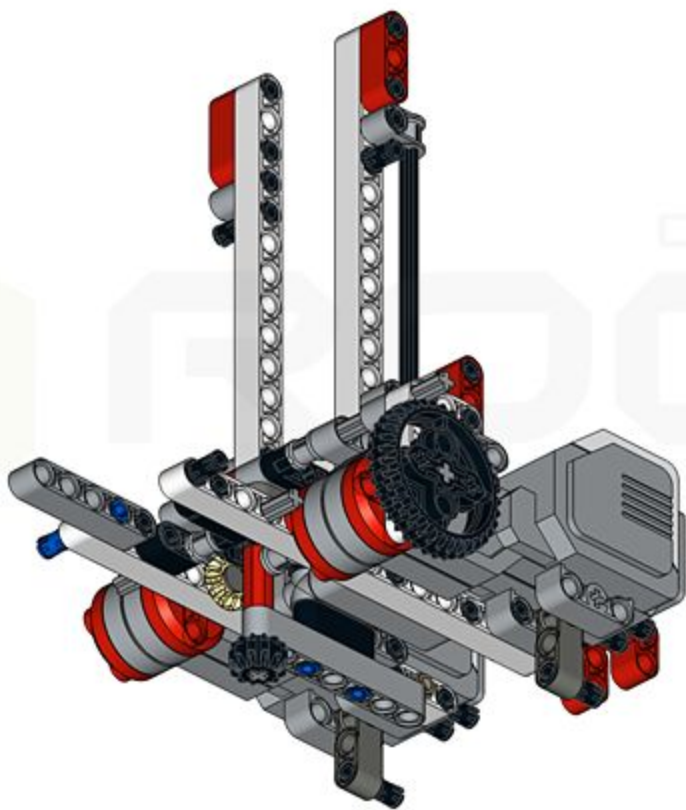


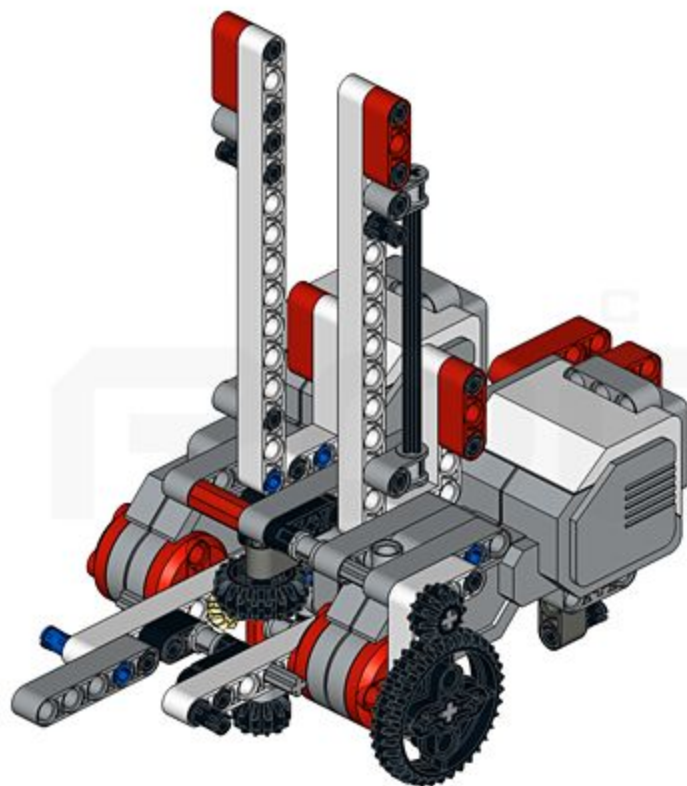
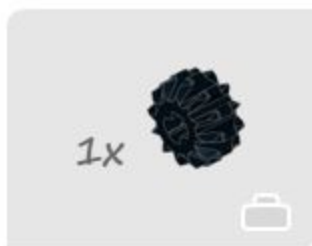
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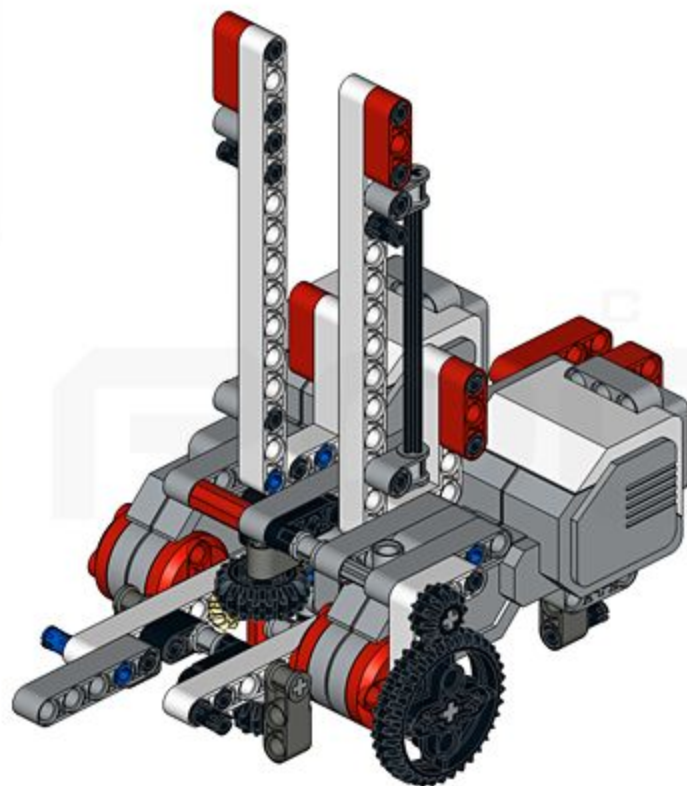


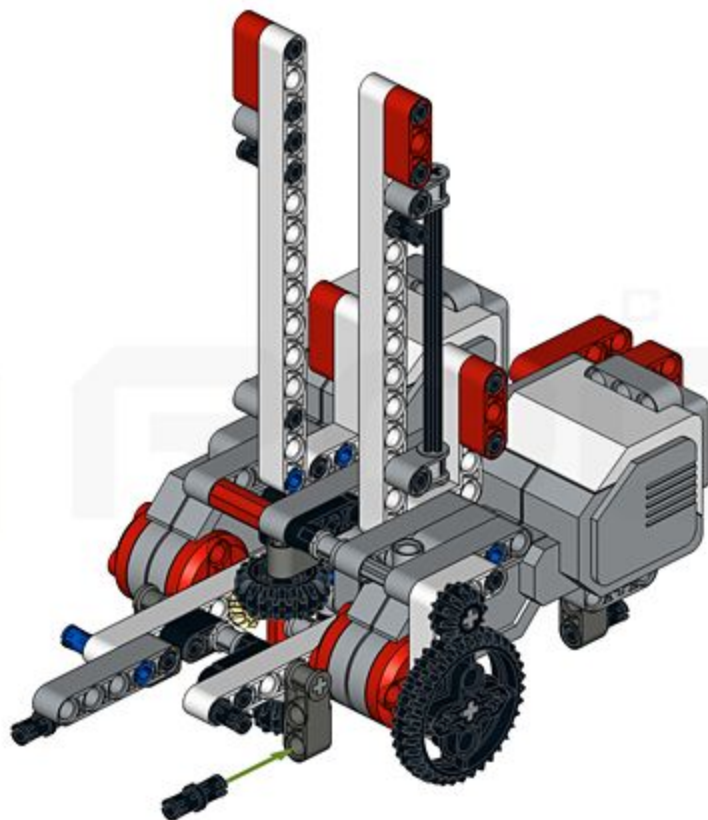
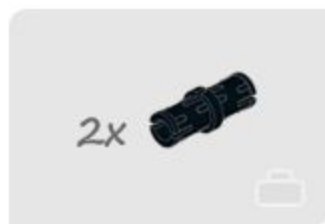


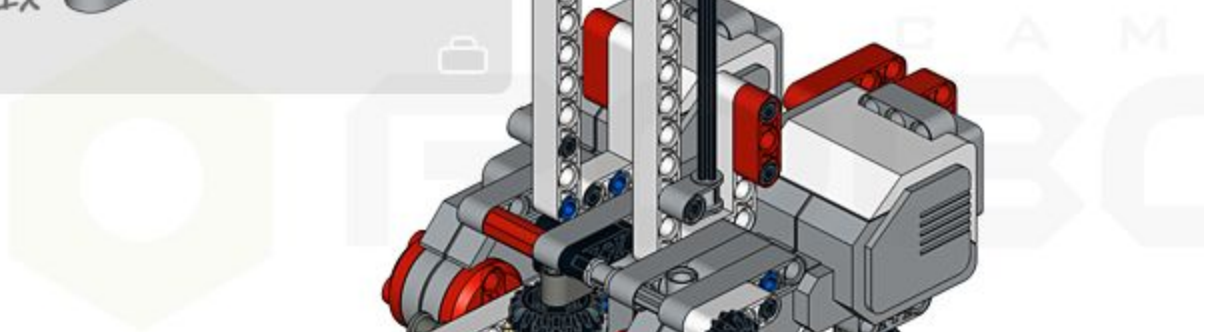
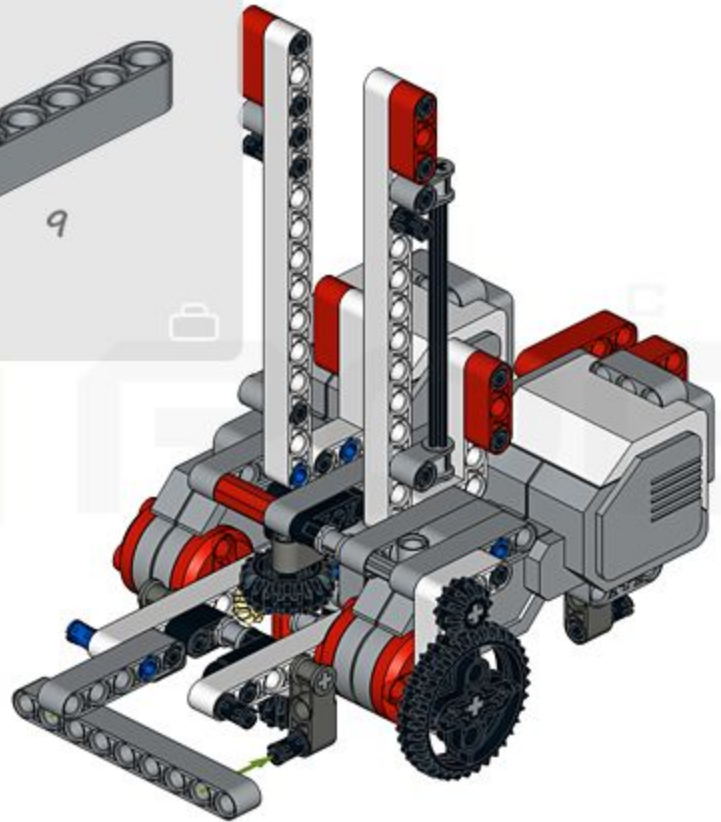
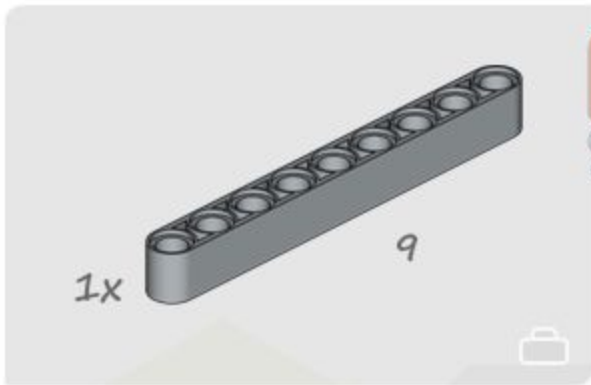


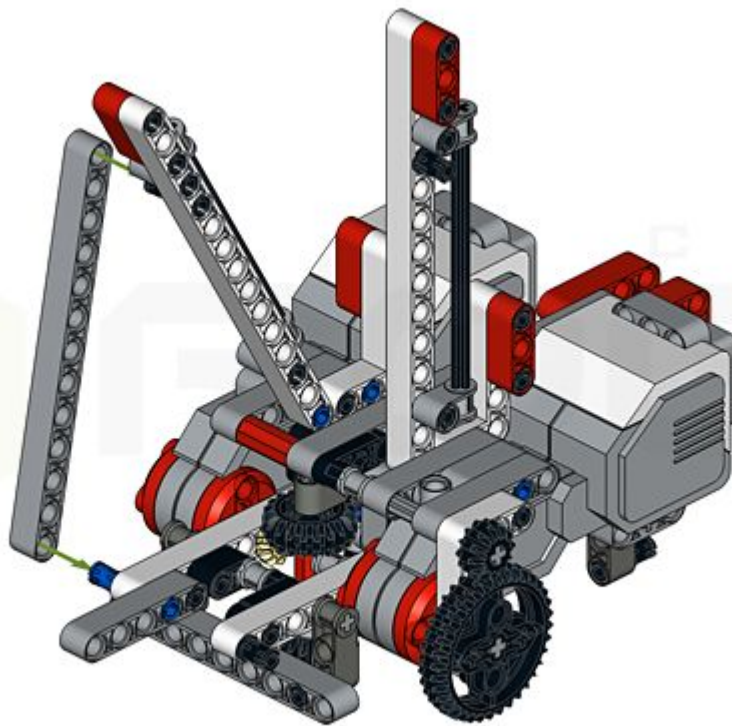
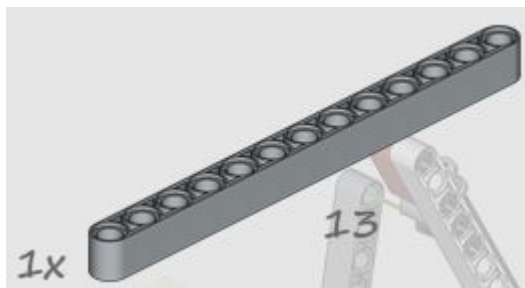






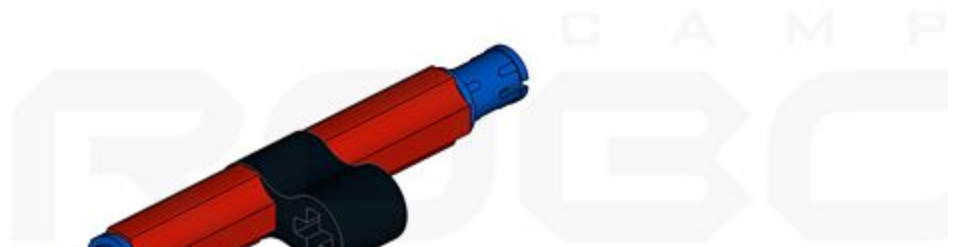
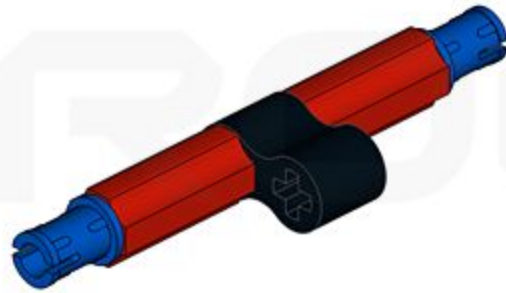


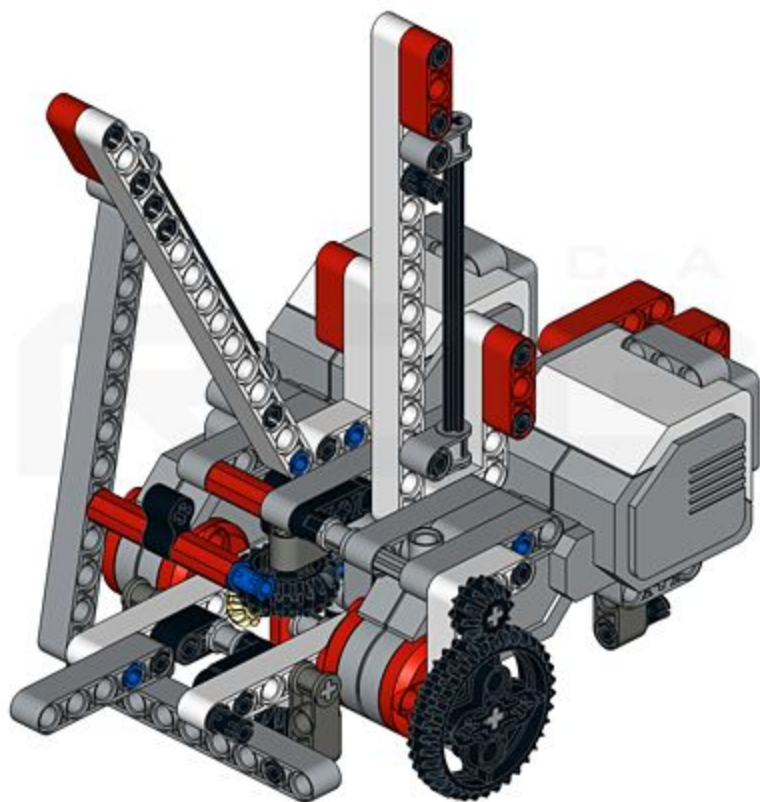


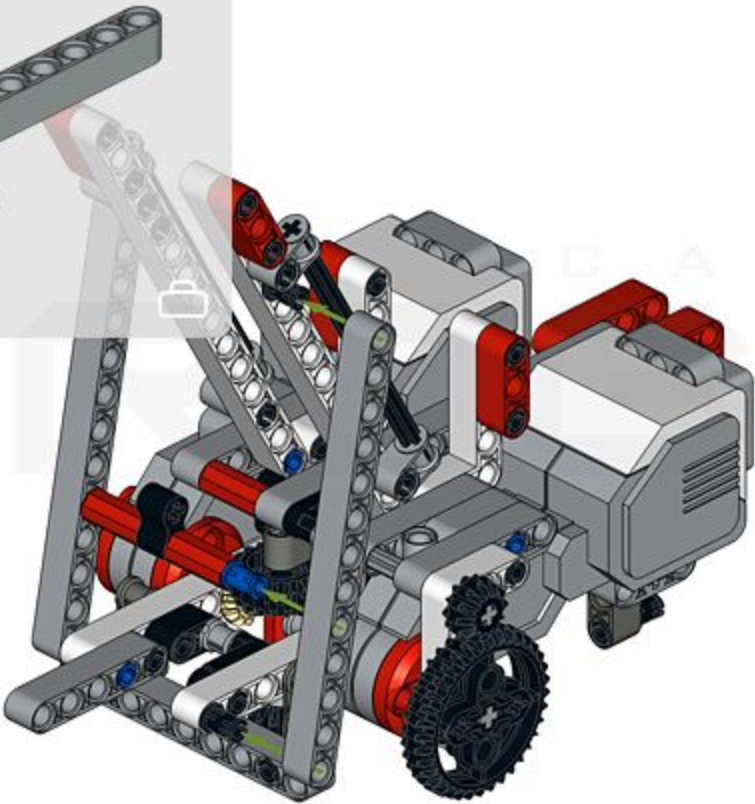
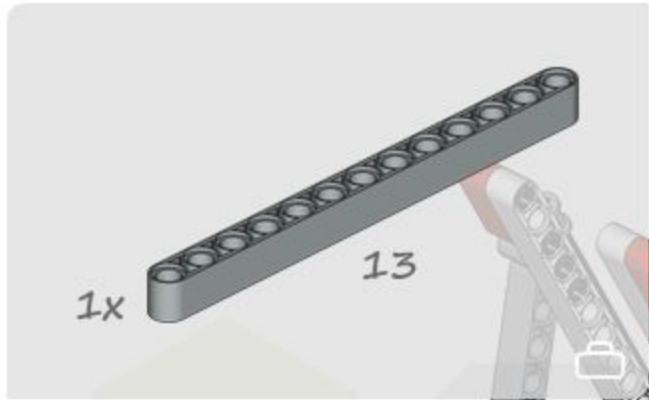




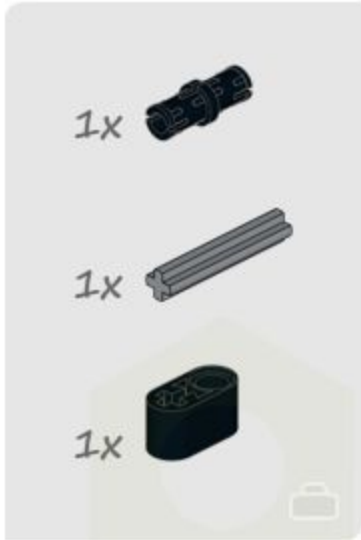


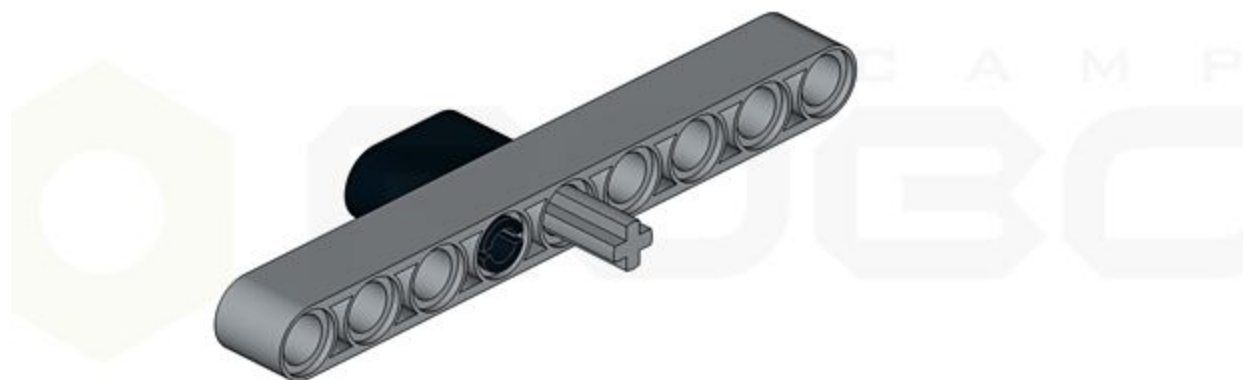
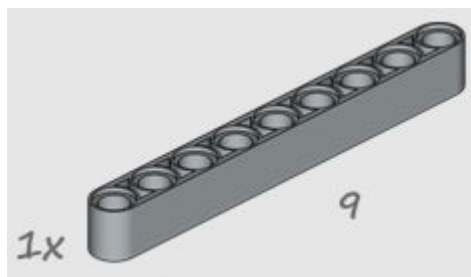


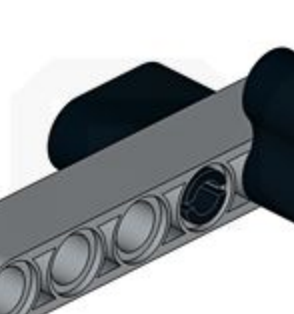
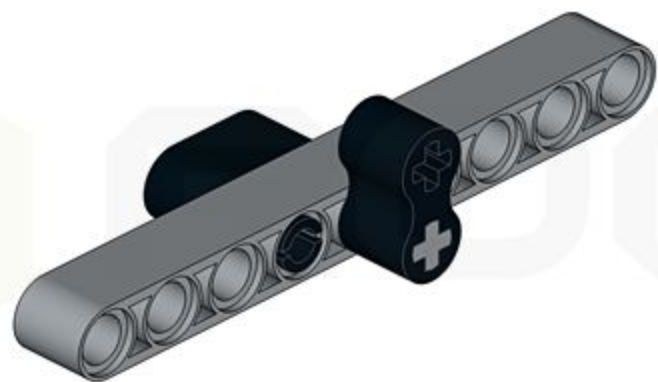
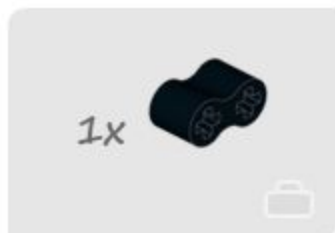


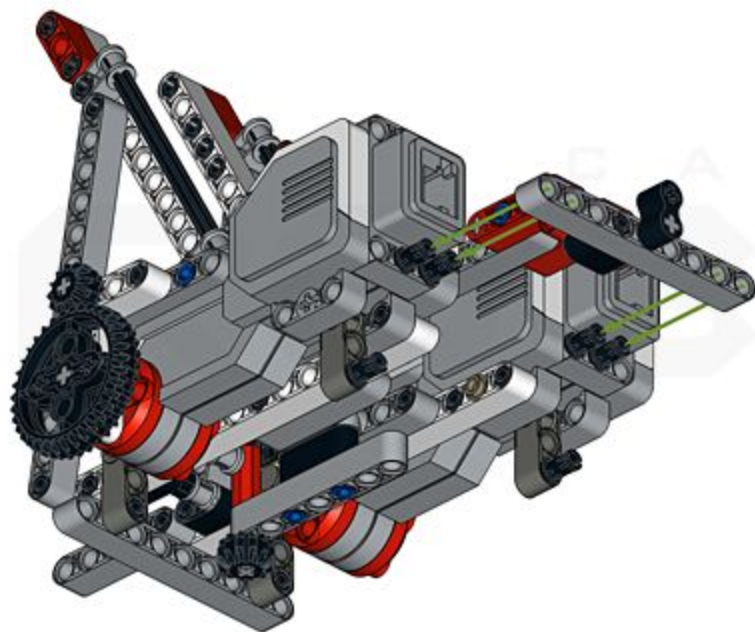


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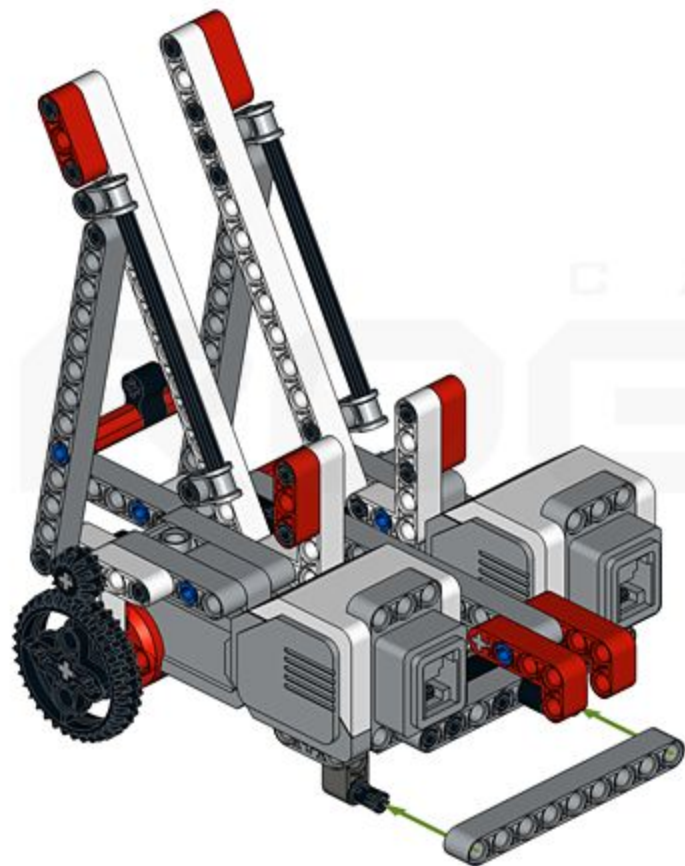
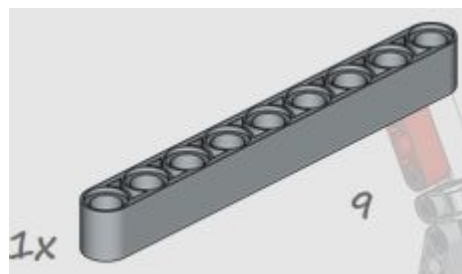


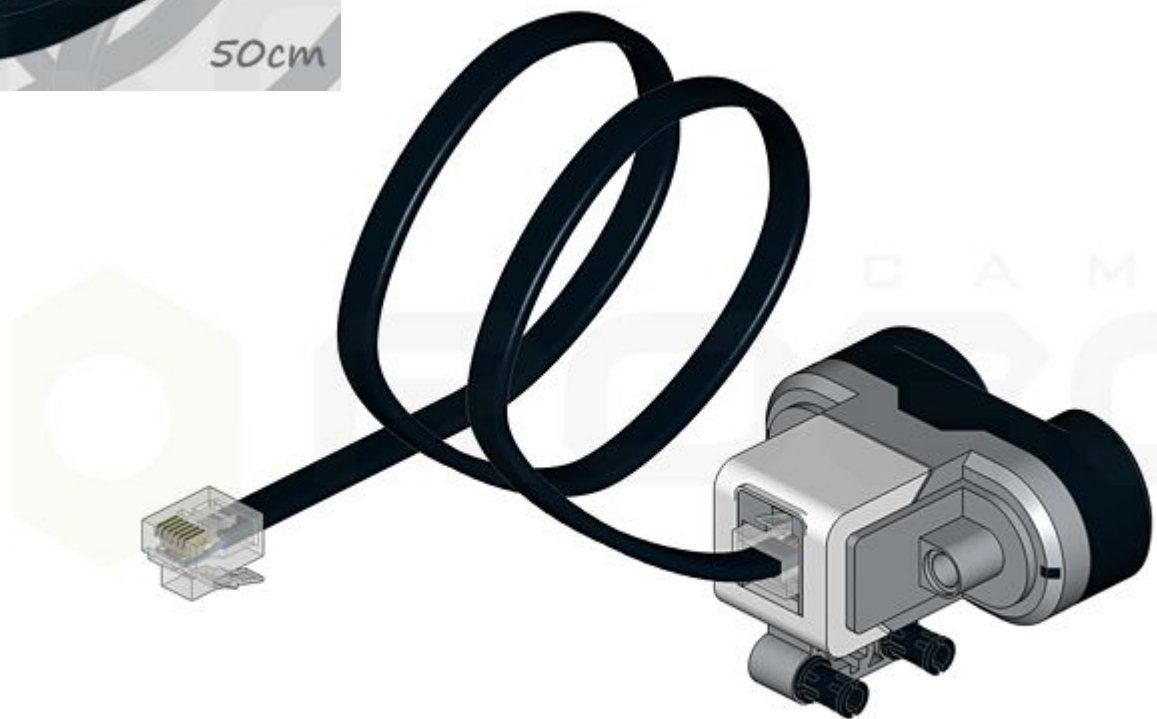


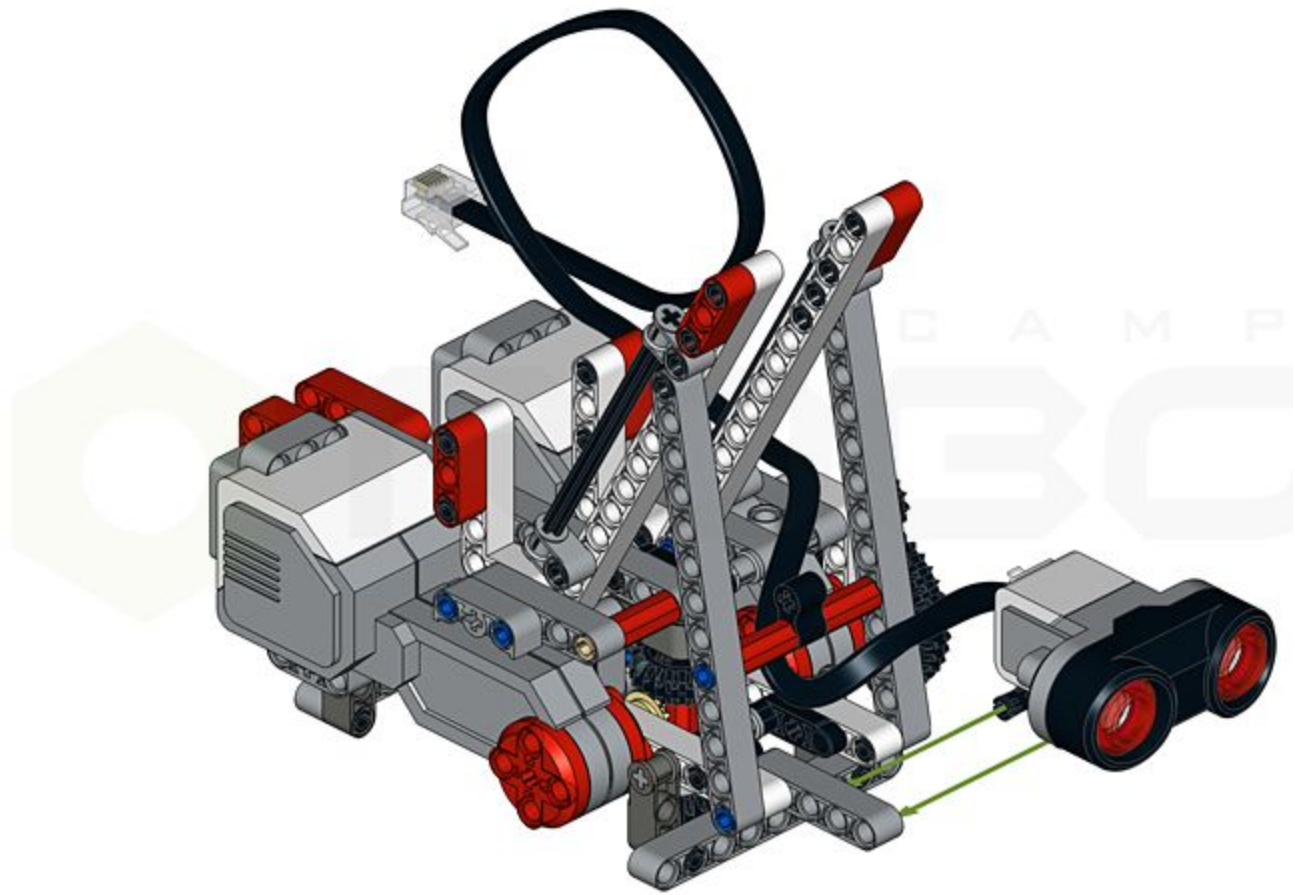


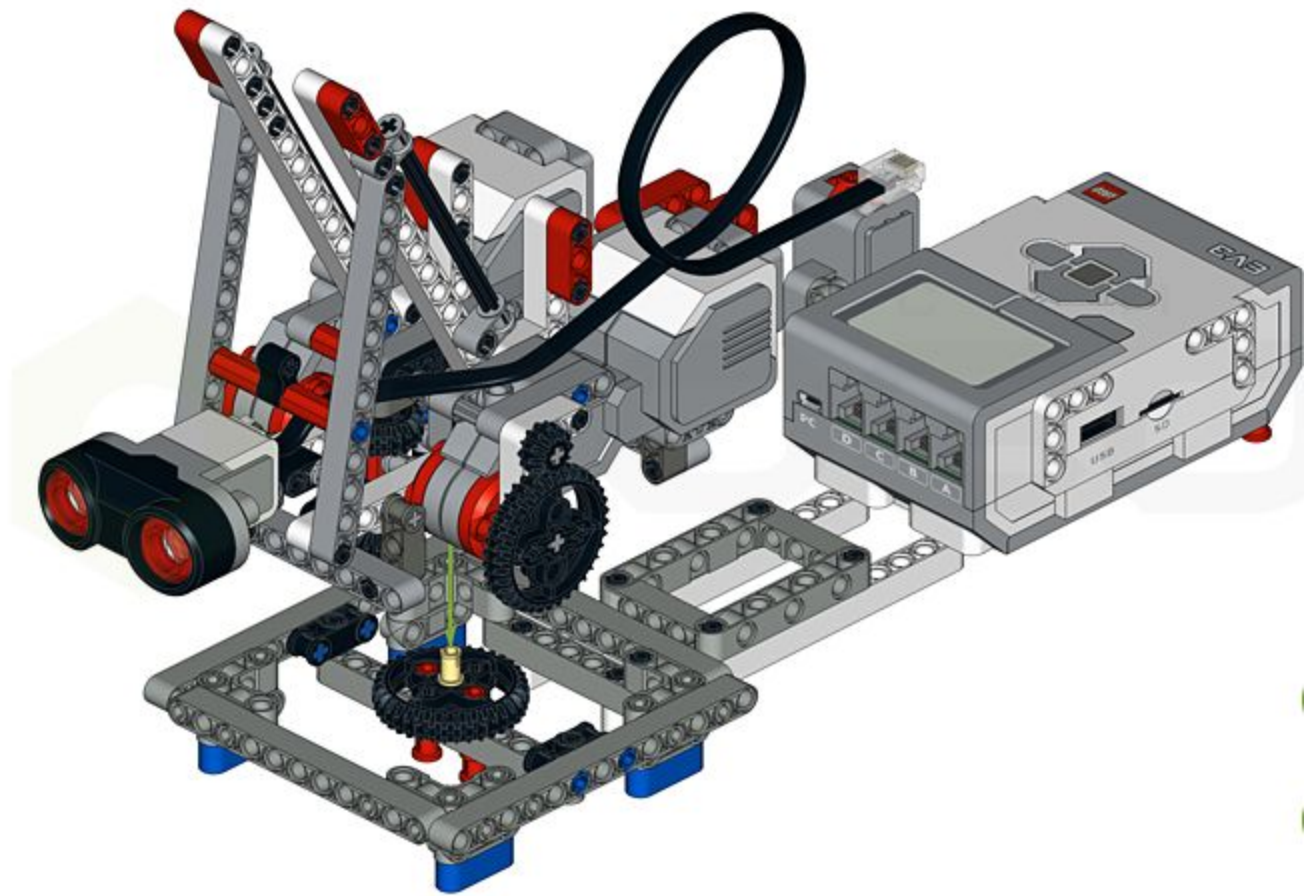


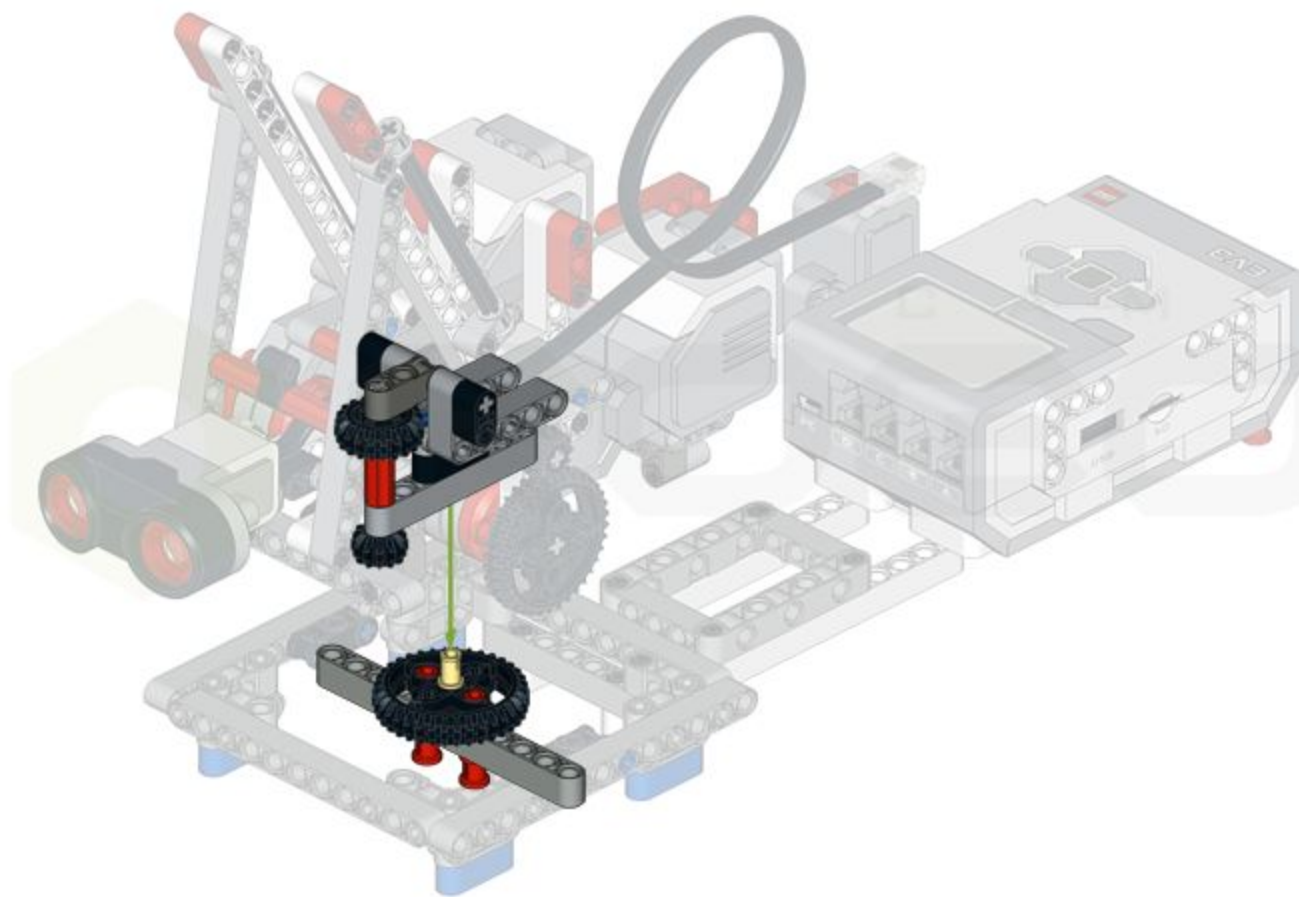


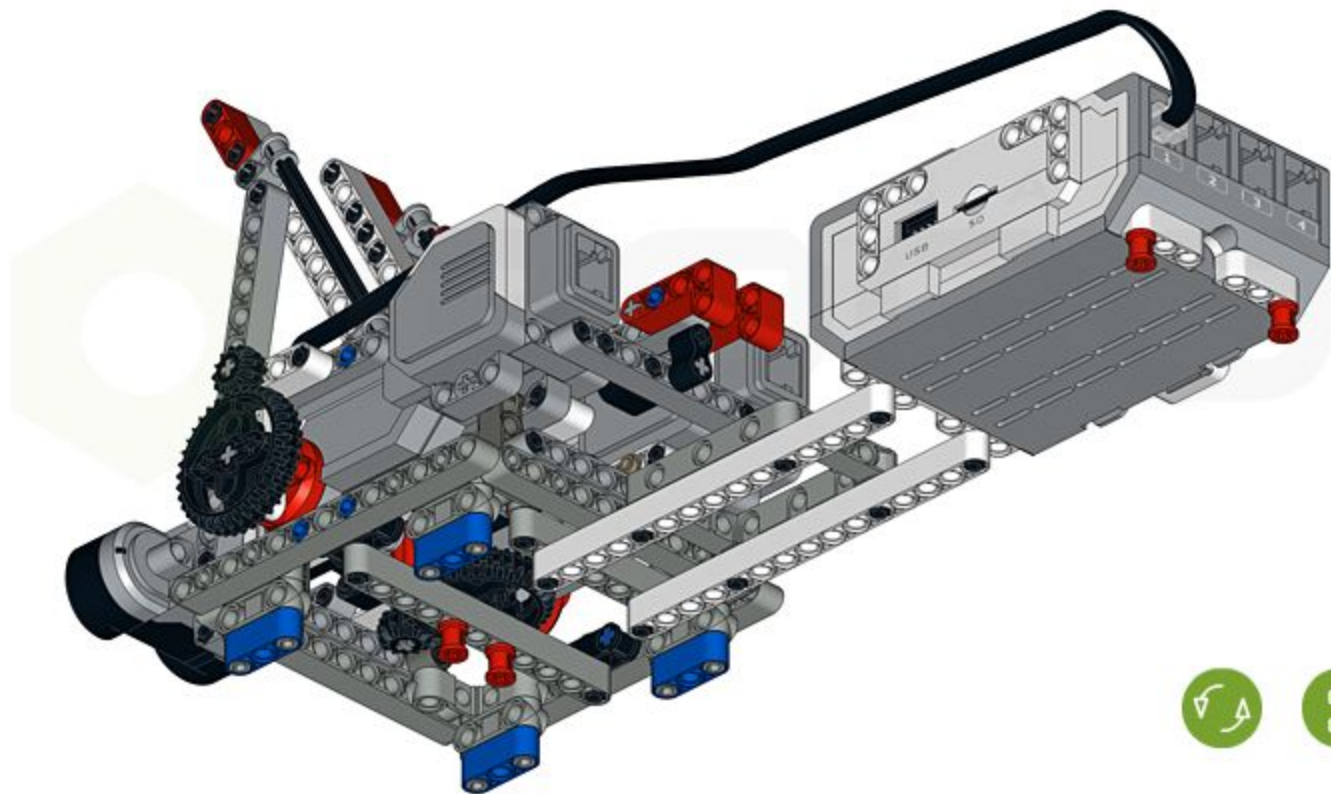


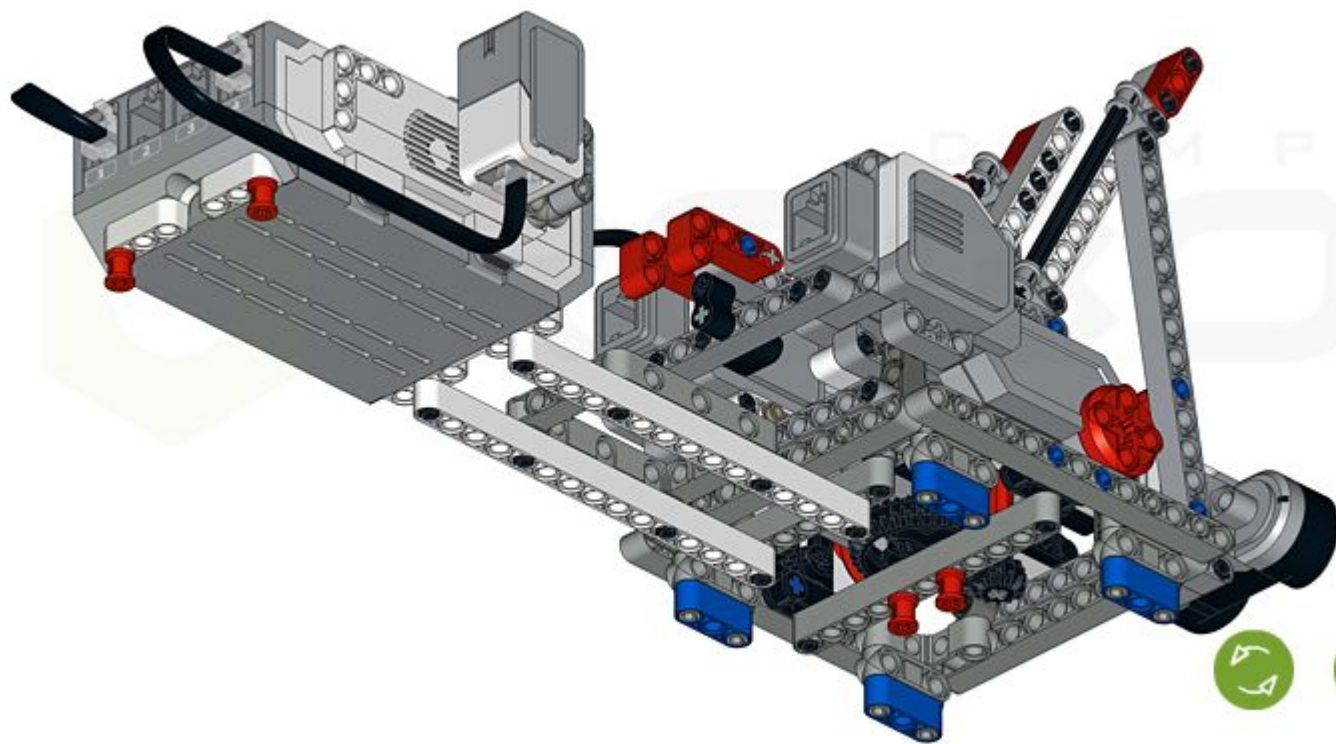


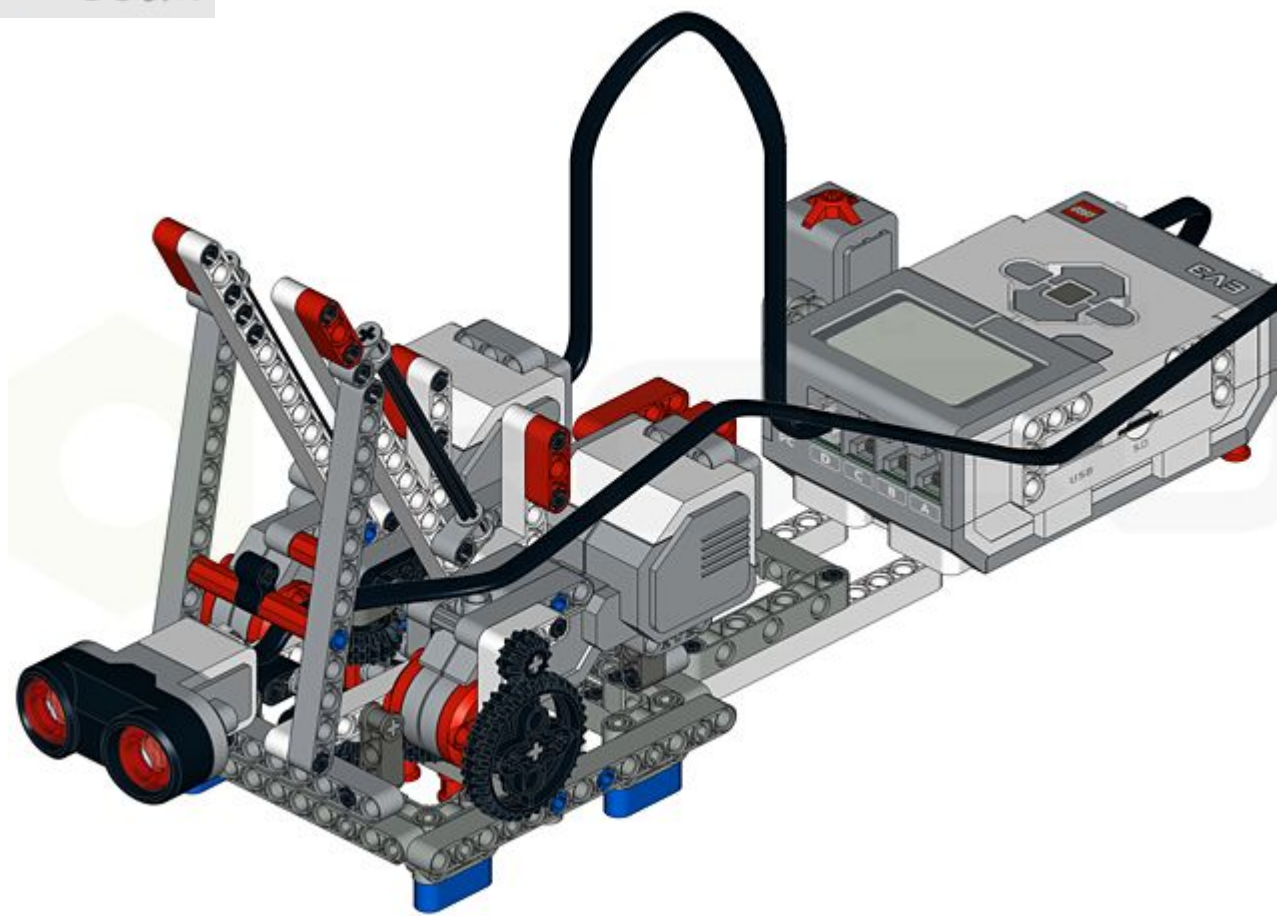




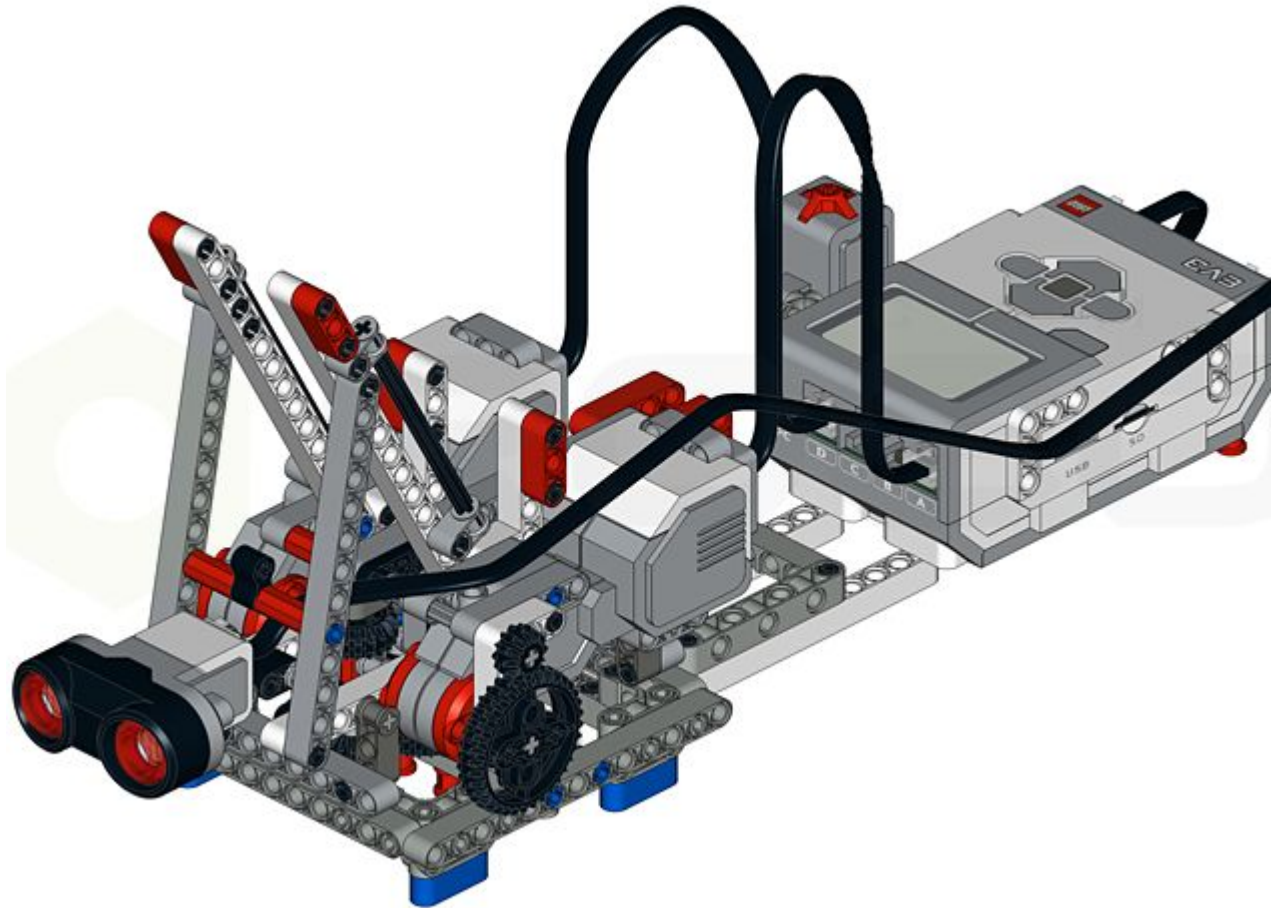


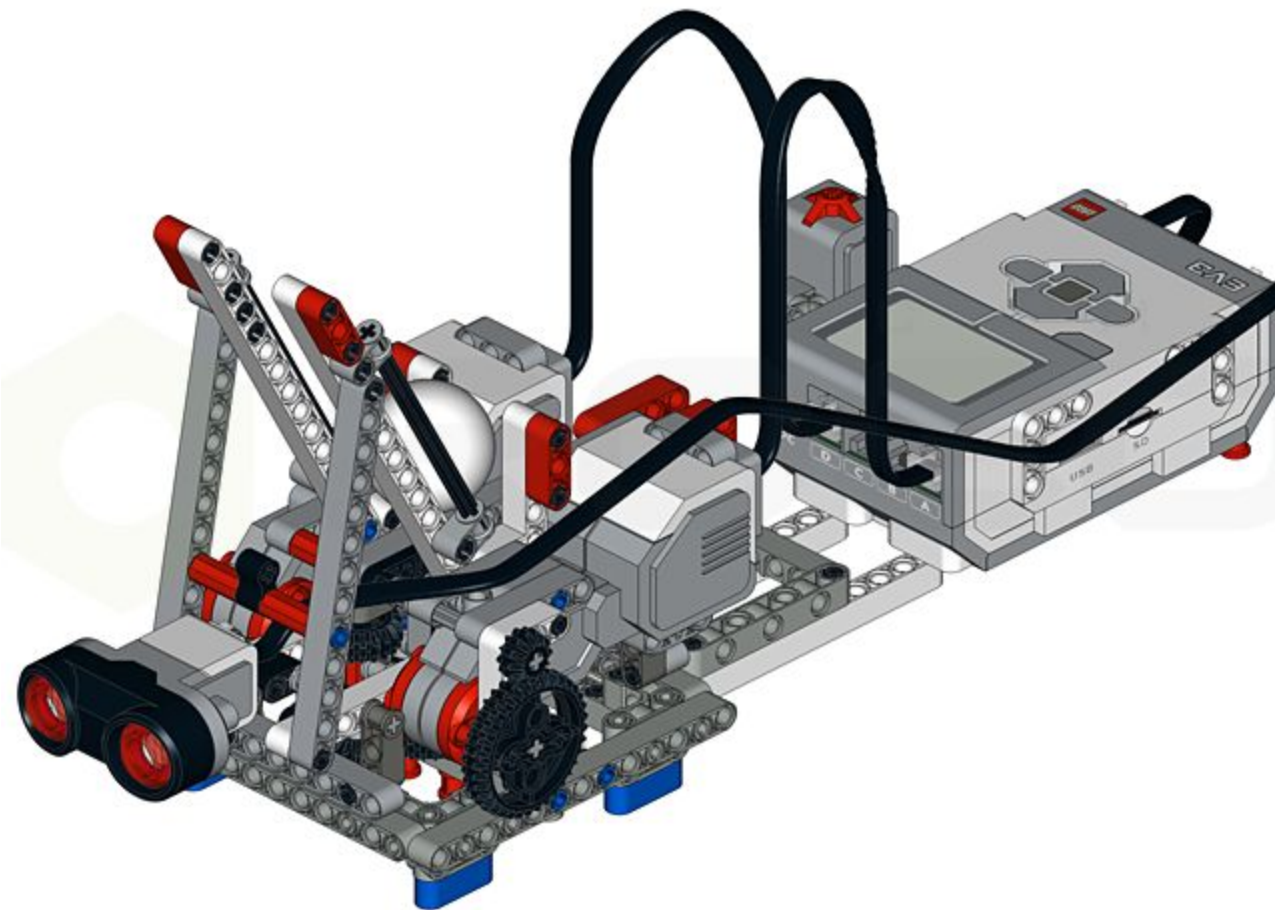












# Задачі

# Программирование

# Задача 1

Задача пусковой установки состоит в том, чтобы бросить мяч для пинг-понга с такой силой, чтобы он попал в коробку. Центральная часть этого робота - вращающаяся башня, контроль положения запрограммируйте с помощью кнопок на кирпиче EV3. Установка оснащена датчиком, который может измерять расстояние (выводить на экран) между башней и коробкой, которое является нашей целью. Датчик касания играет роль триггера, запускающего мяч.

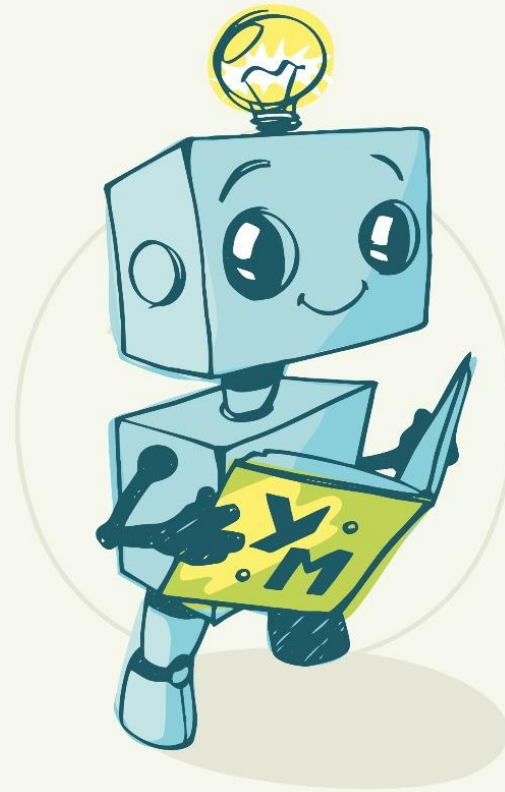
## Задача 2

Дополните программу, что бы можно было изменять силу удара с помощью кнопок на контроллере.

## Задача 3

Дополните программу, что бы робот считывал расстояние до цели и сам подбирал силу с которой нужно запускать снаряд.

# Свободное время



**УМНАЯ  
МЕХАНИКА**

ОБРАЗОВАТЕЛЬНАЯ  
РОБОТОТЕХНИКА