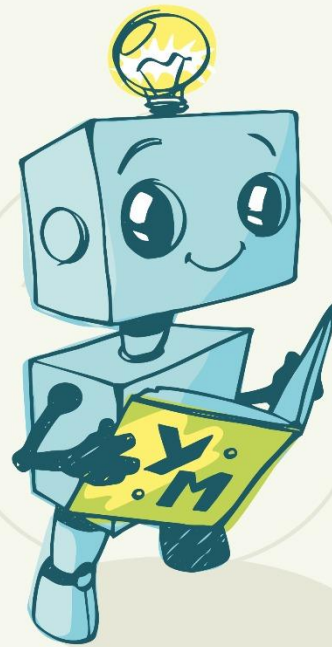


EV3



**УМНАЯ
МЕХАНИКА**

ОБРАЗОВАТЕЛЬНАЯ
РОБОТЕХНИКА

Правила

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

История

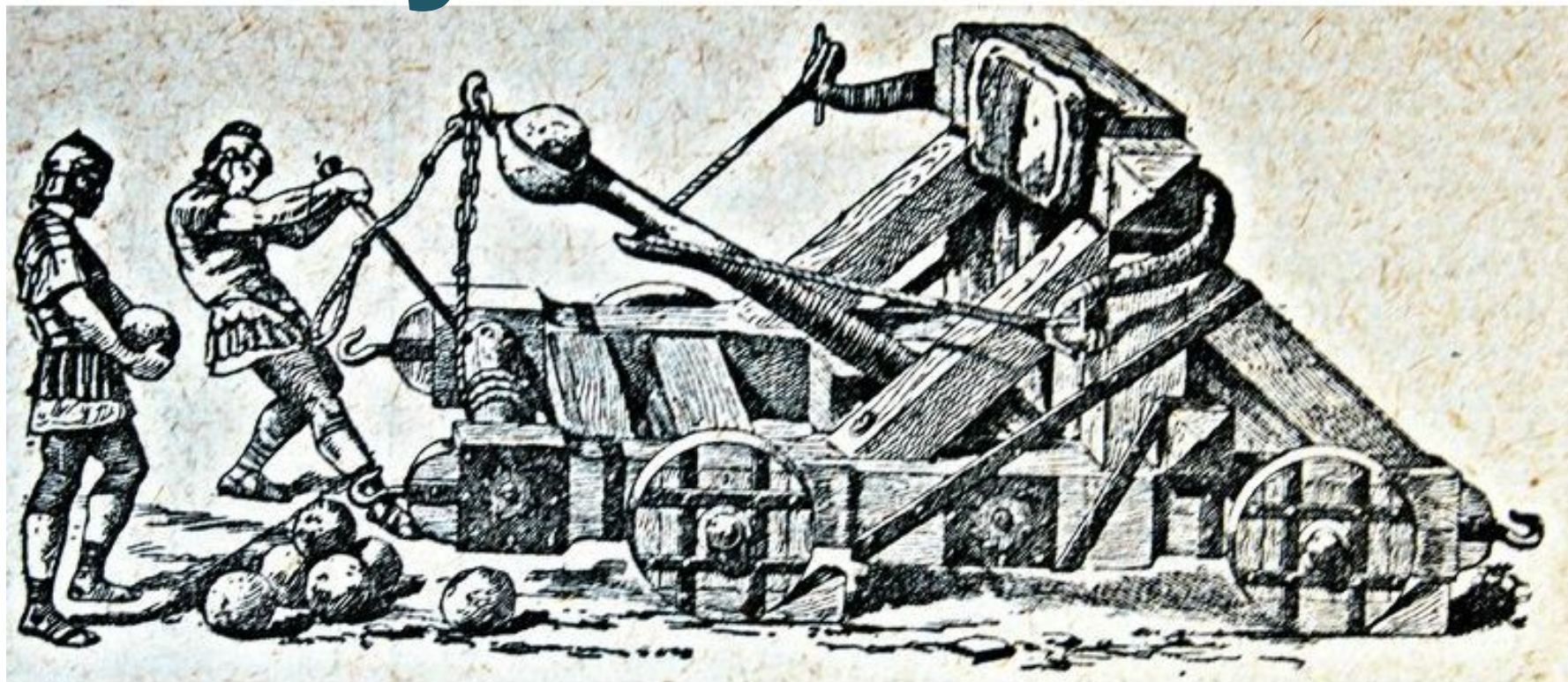
Пусковая установка



Пусковая установка



Пусковая установка



Пусковая установка



Craig Hatfield

Пусковая установка



Пусковая установка



Пусковая установка

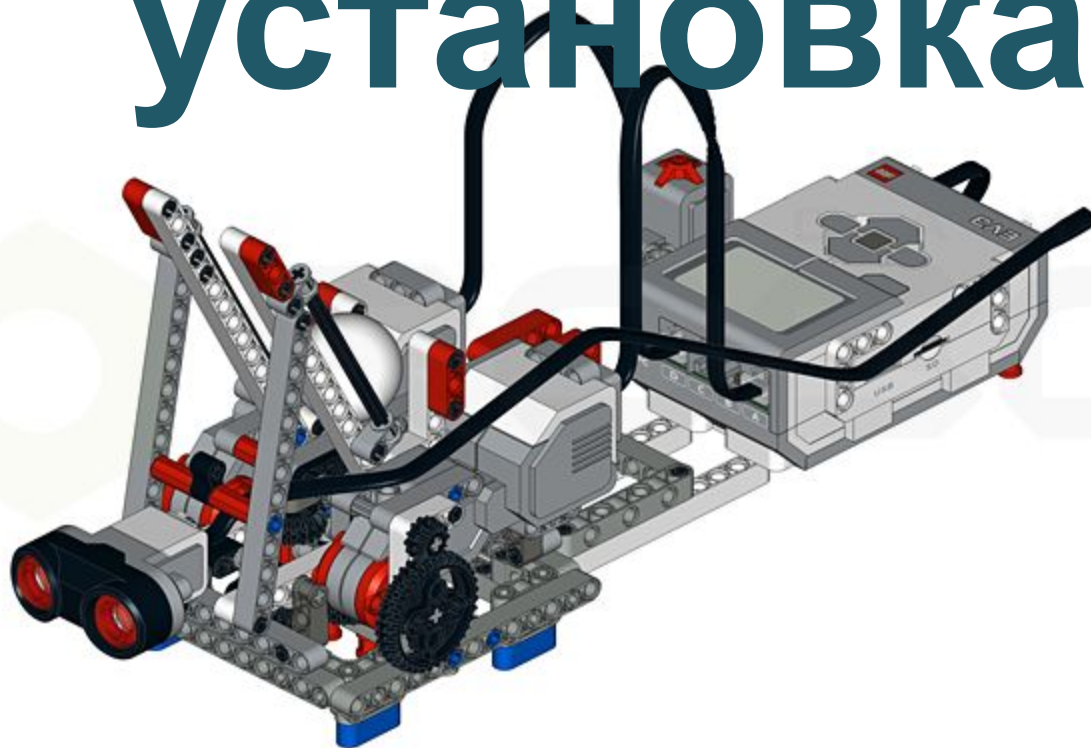


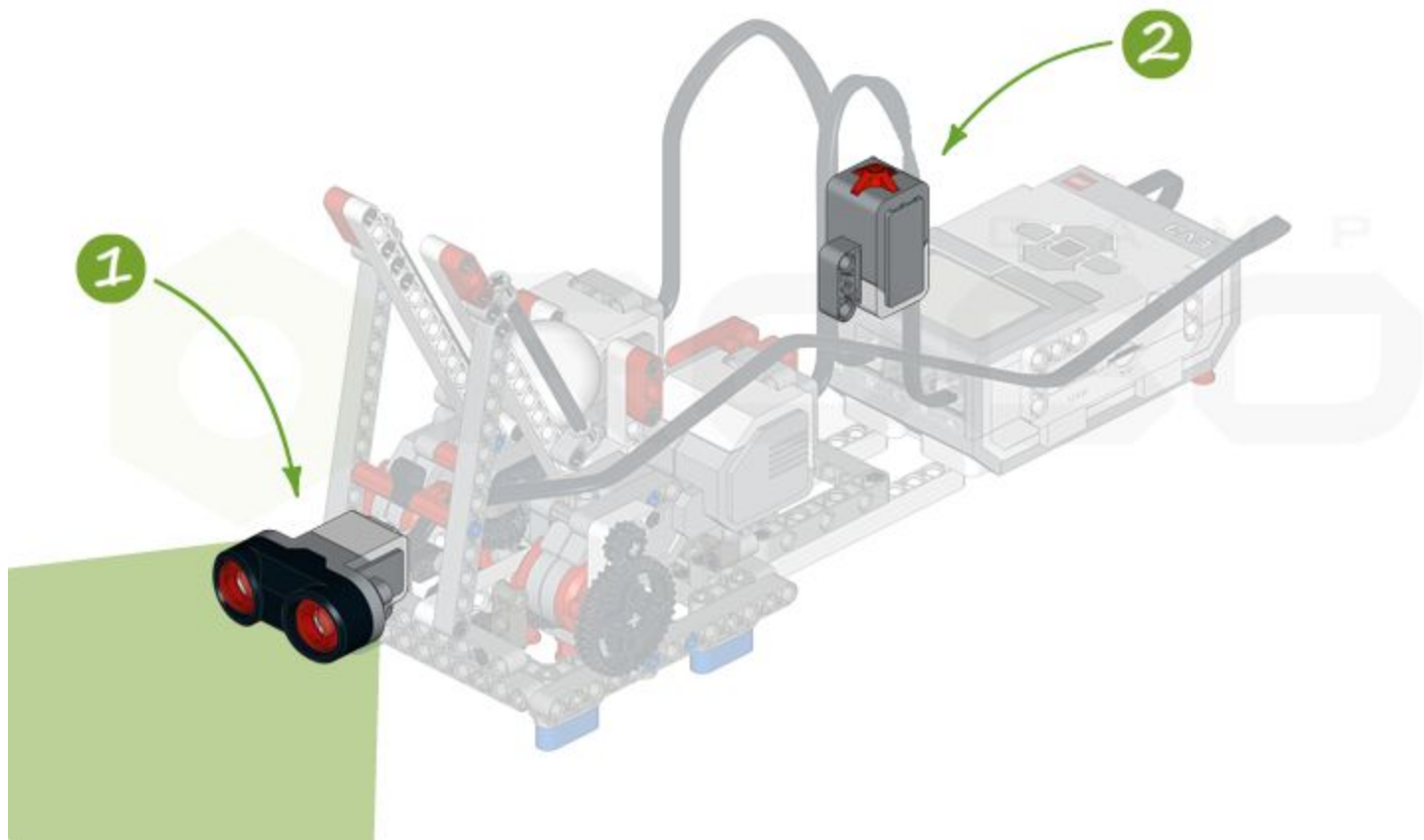
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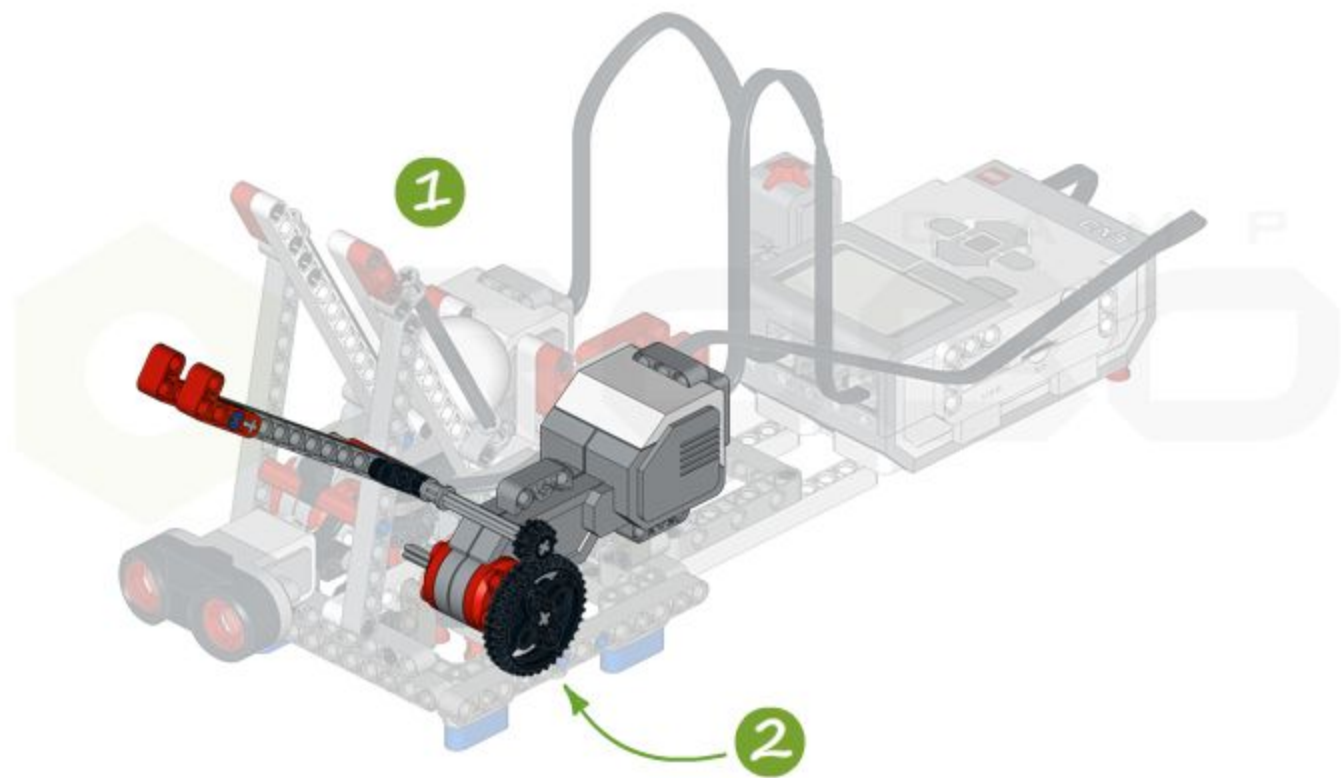


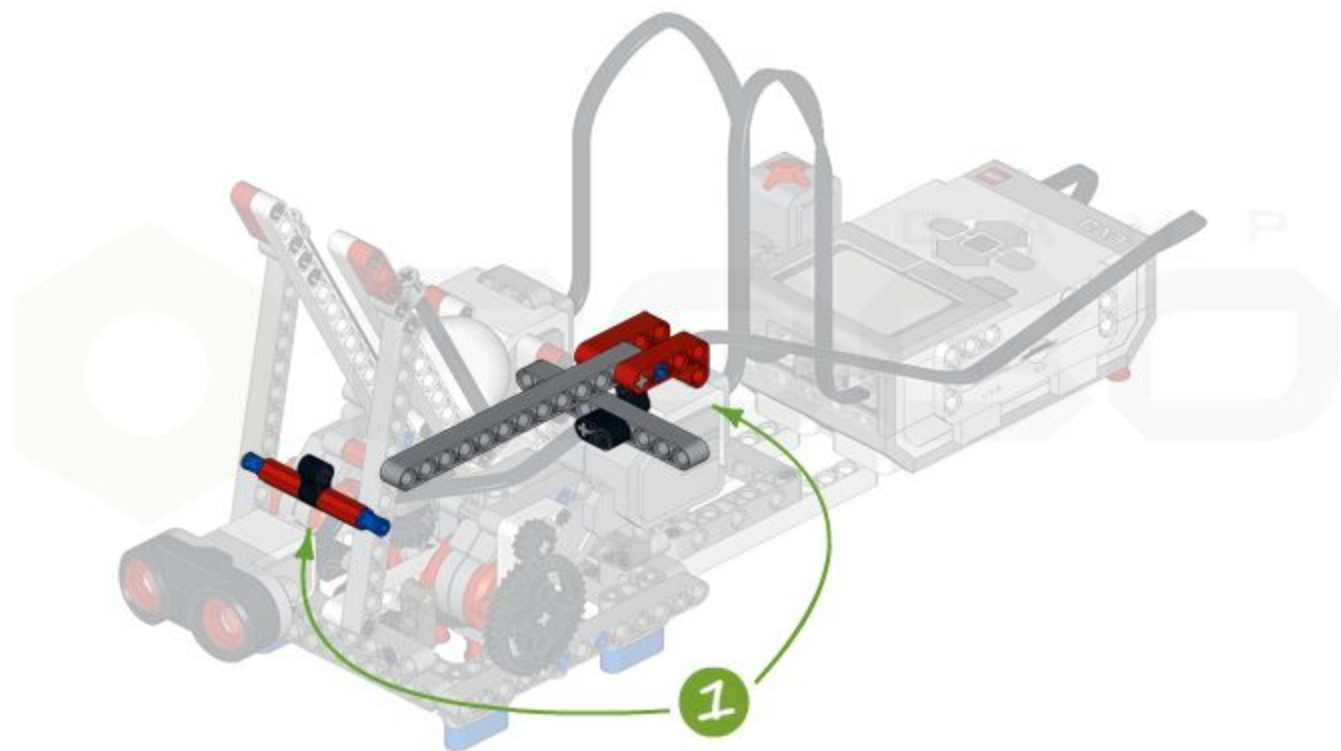
Изучение модели

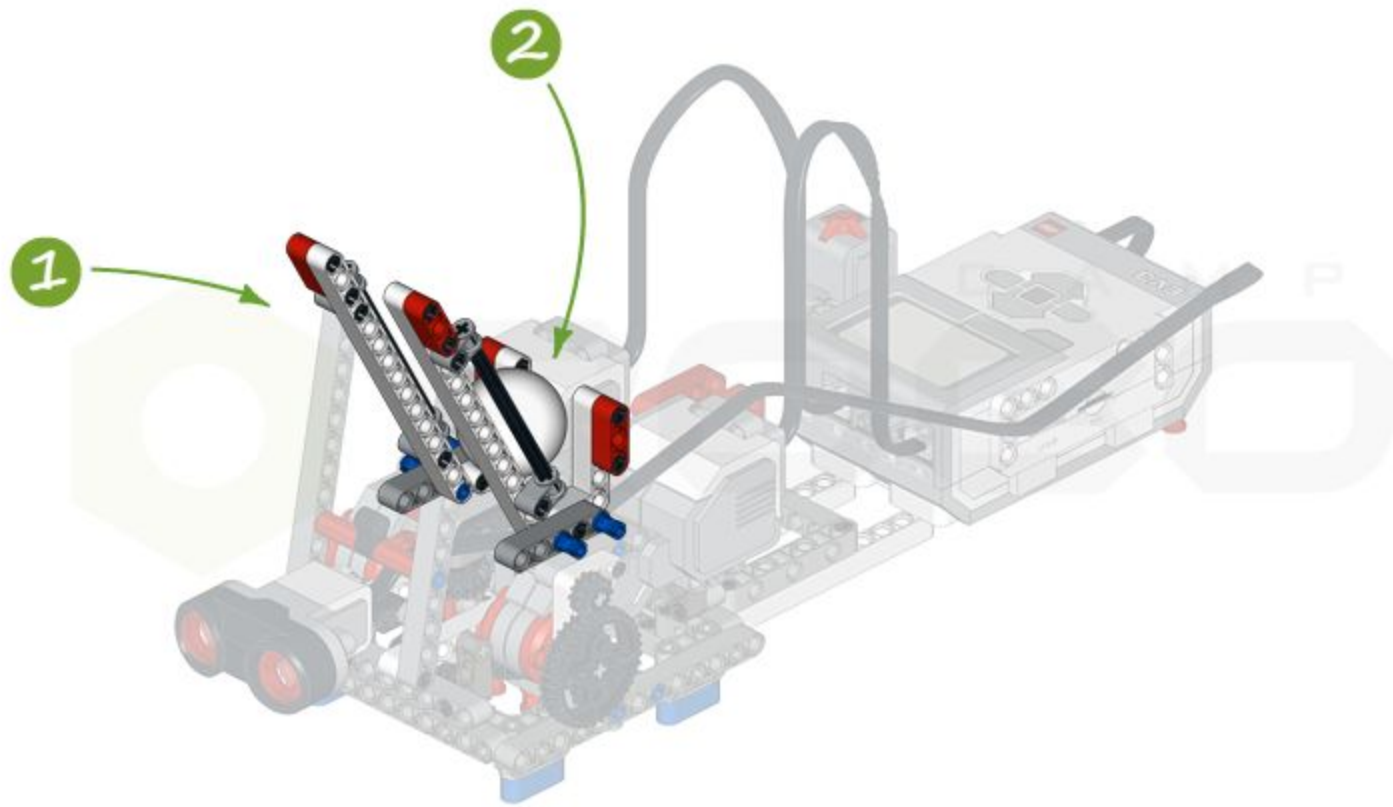
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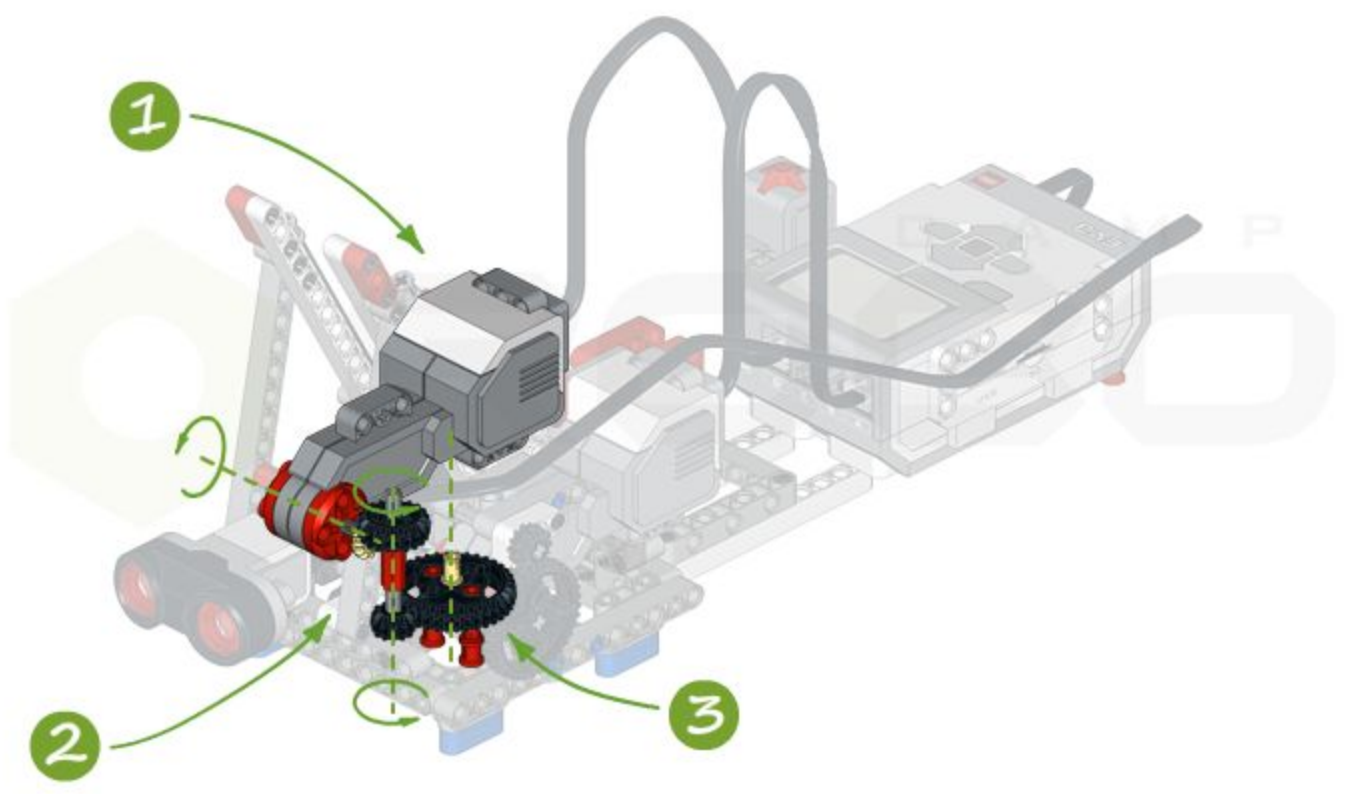


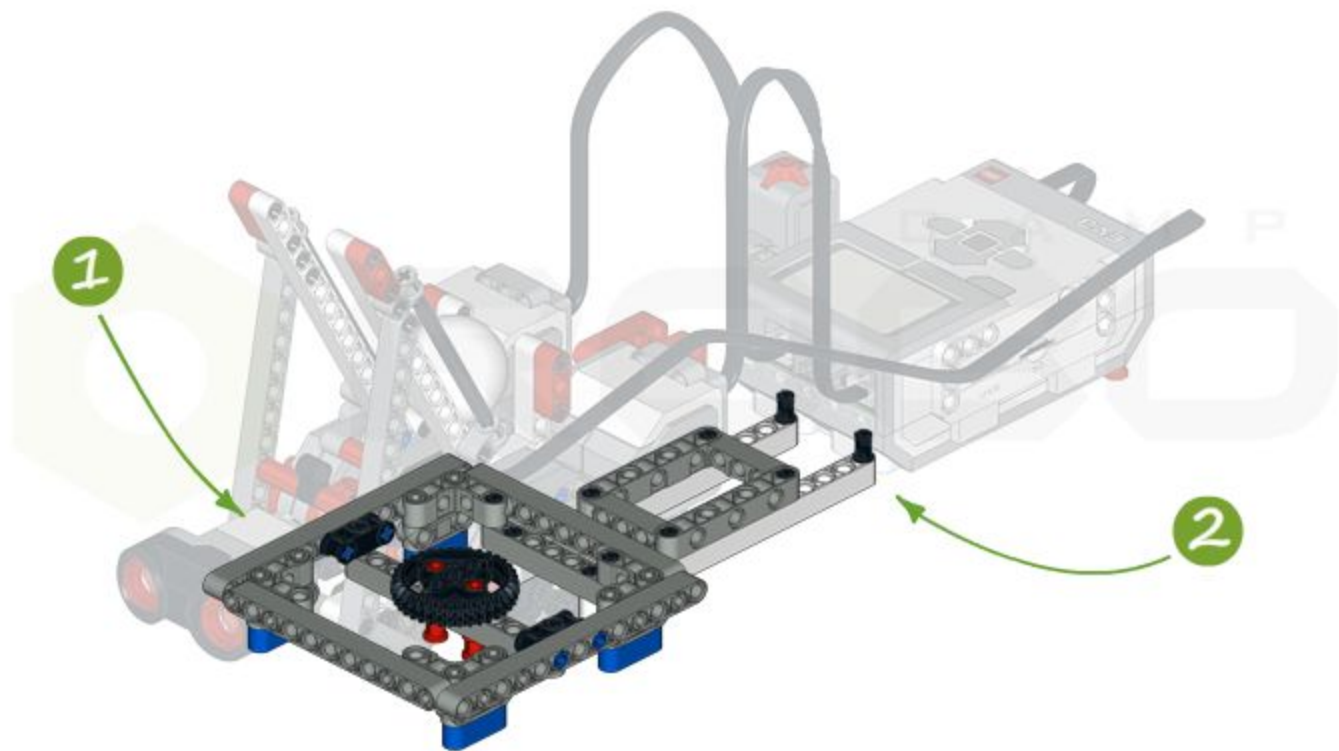


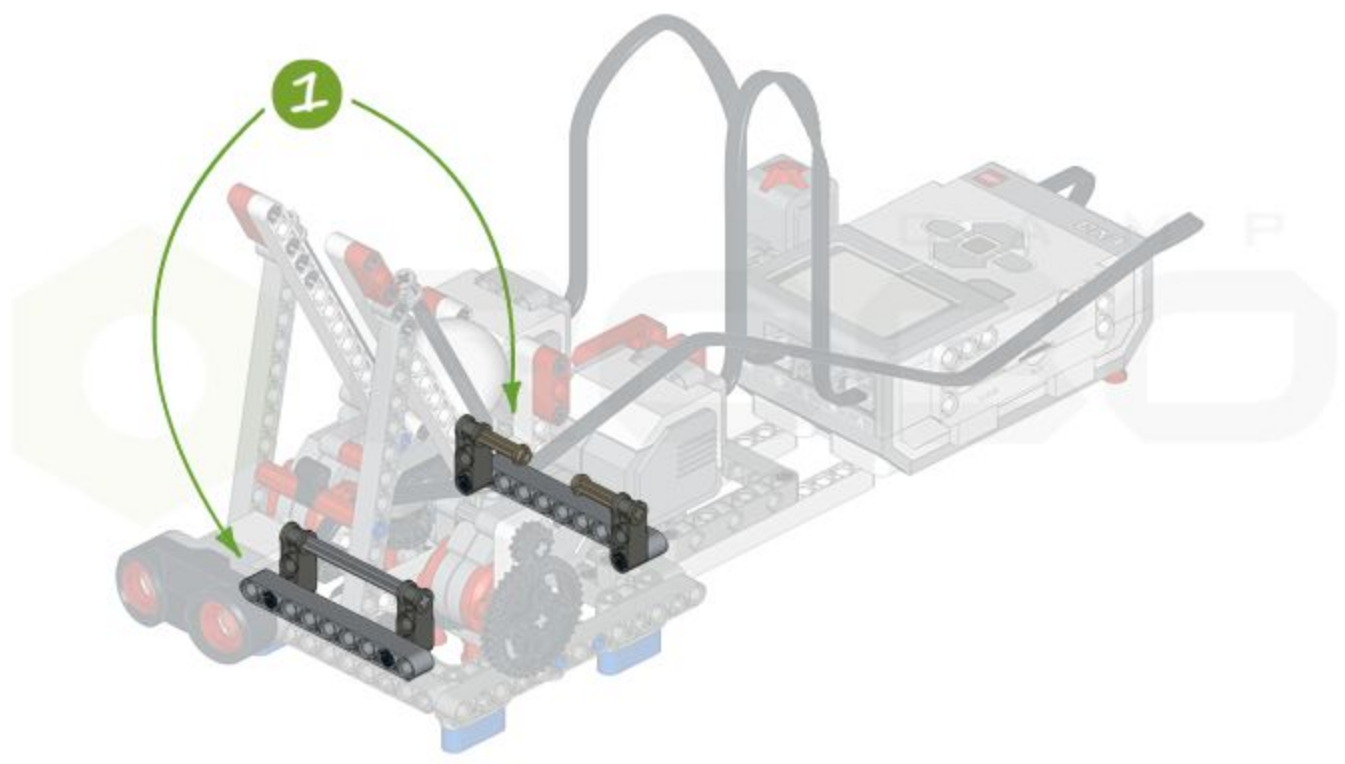


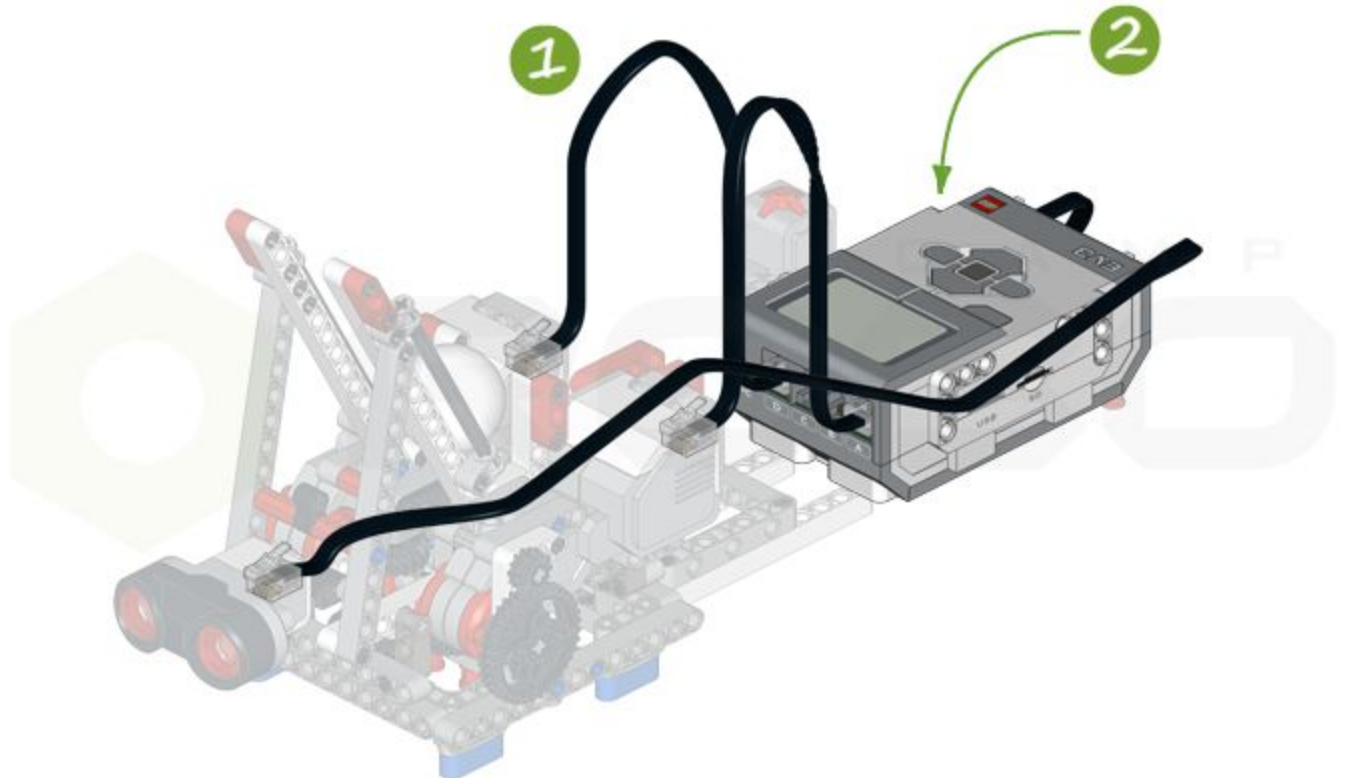




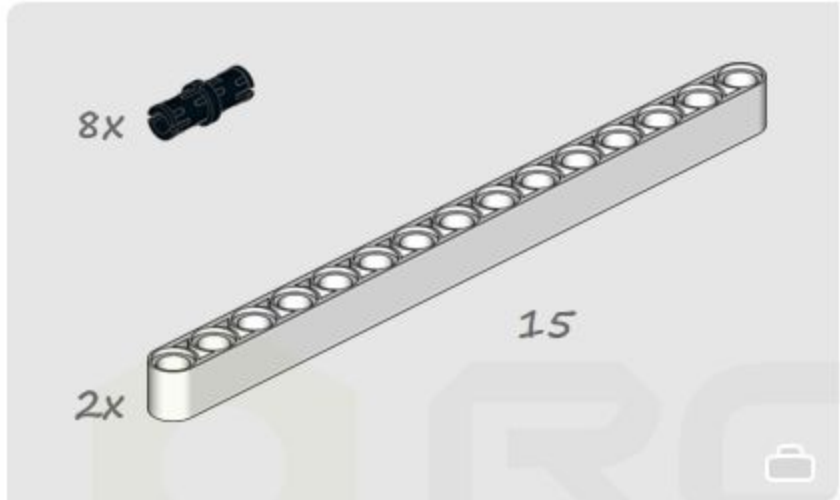


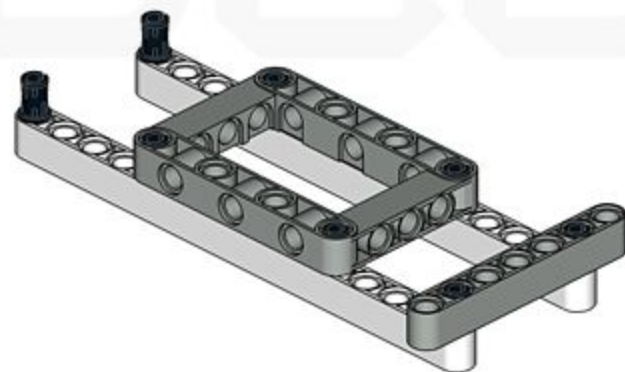
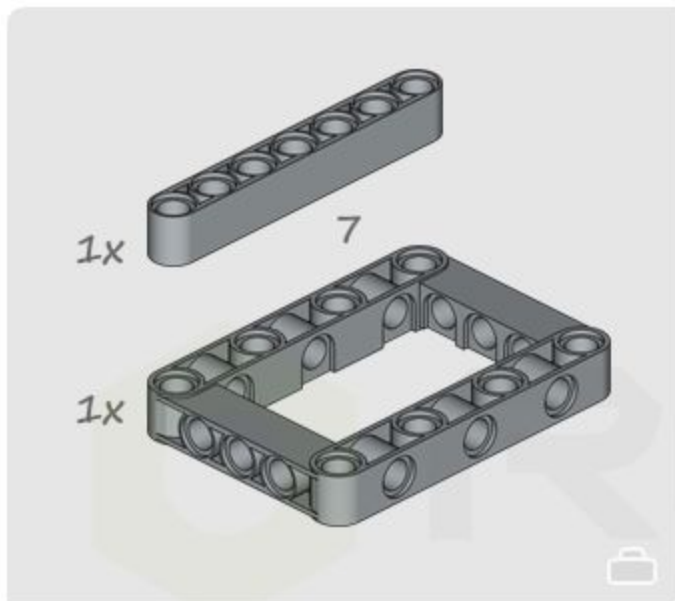


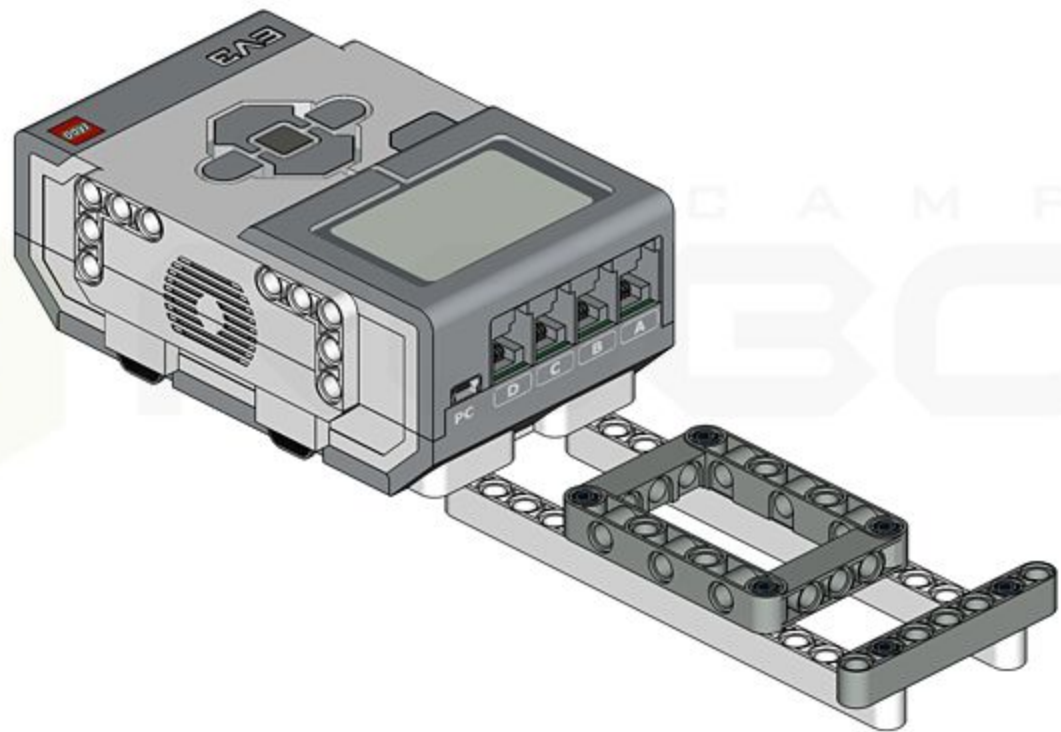


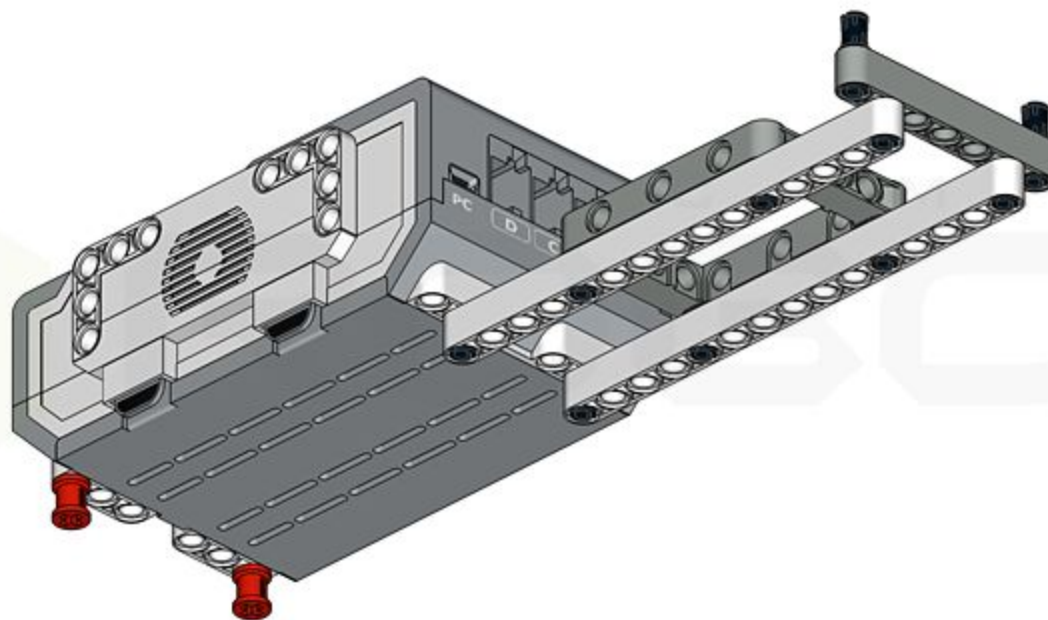


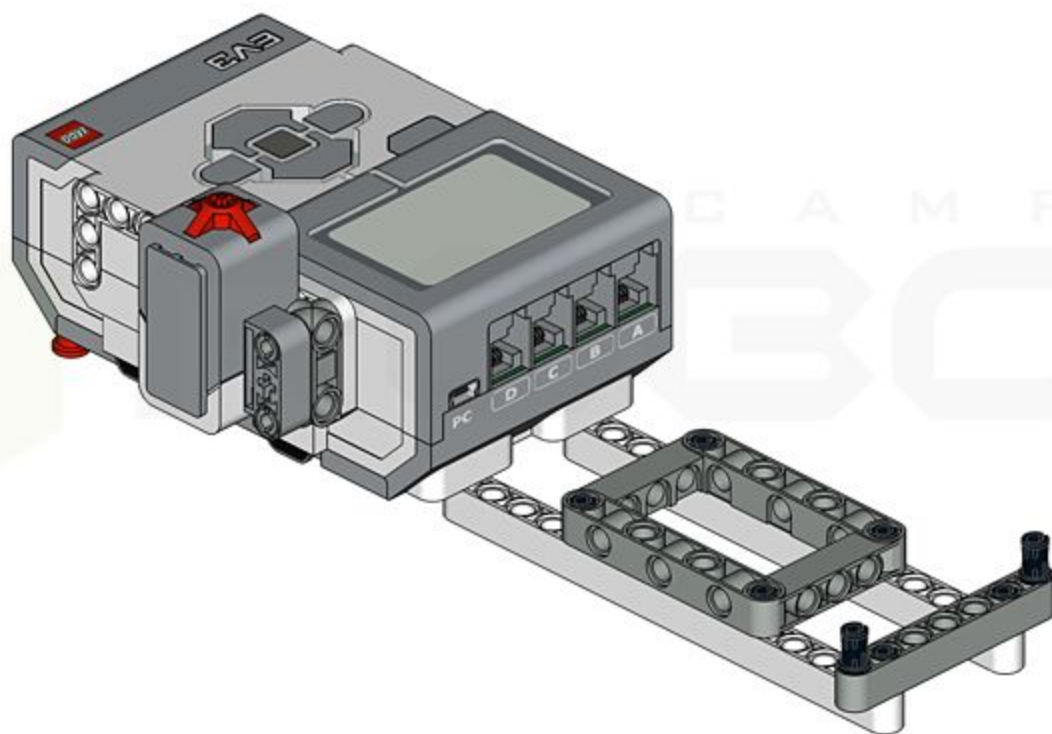
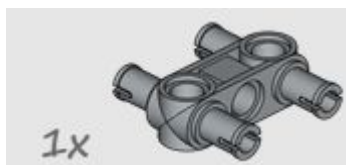
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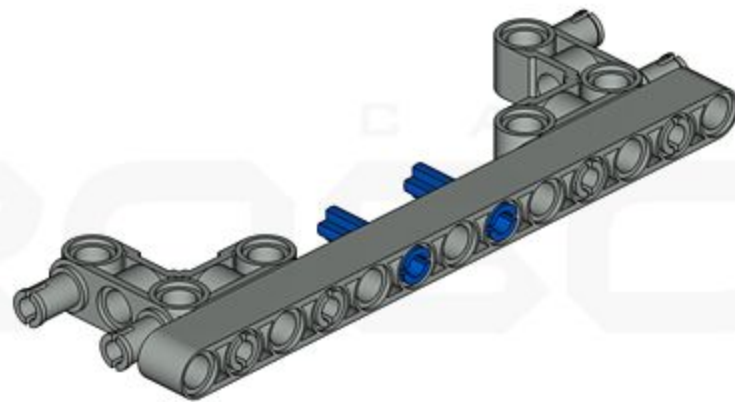
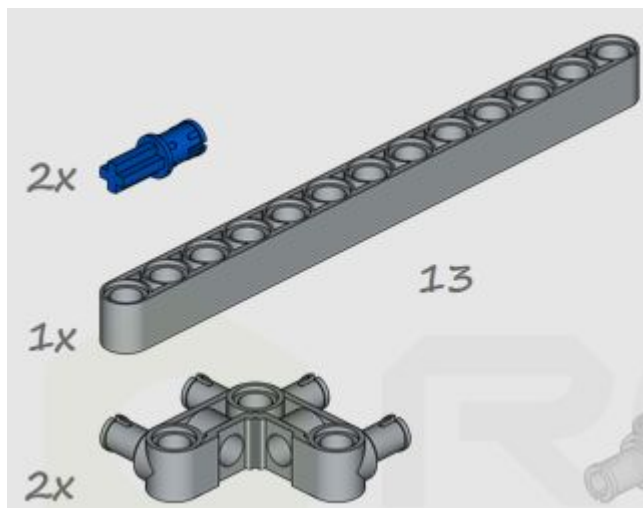


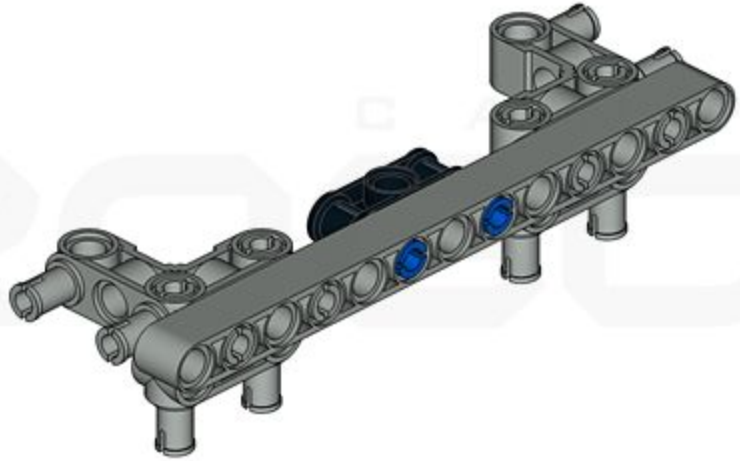


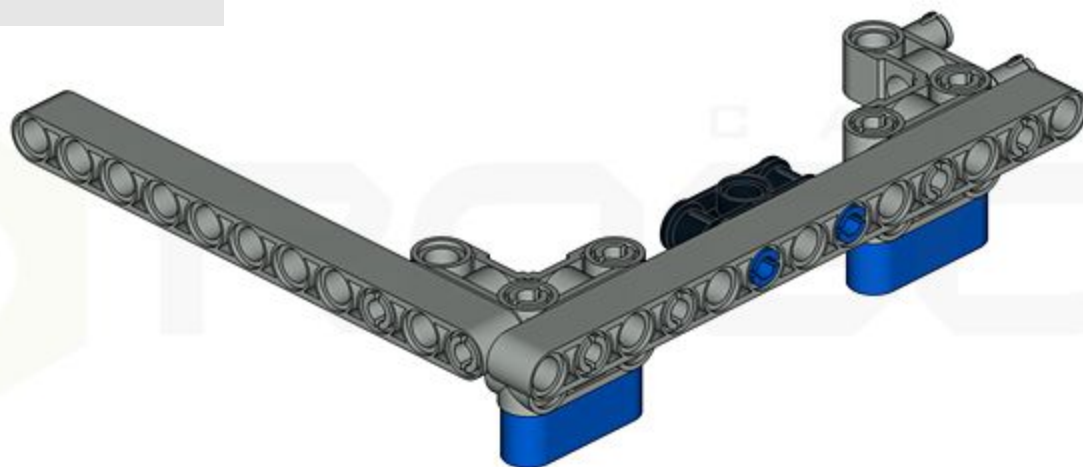
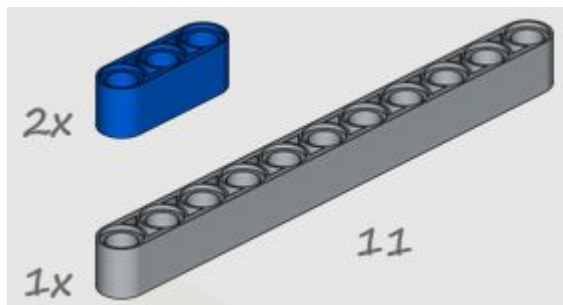


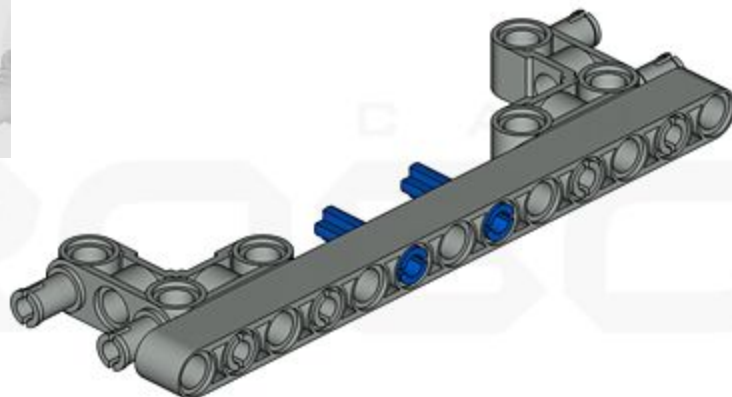
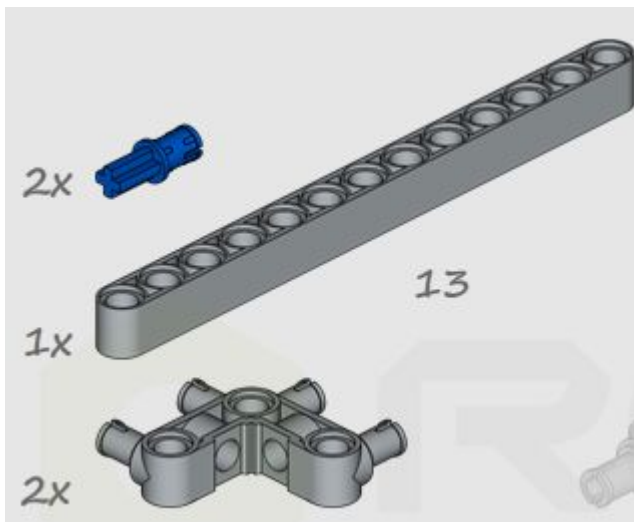


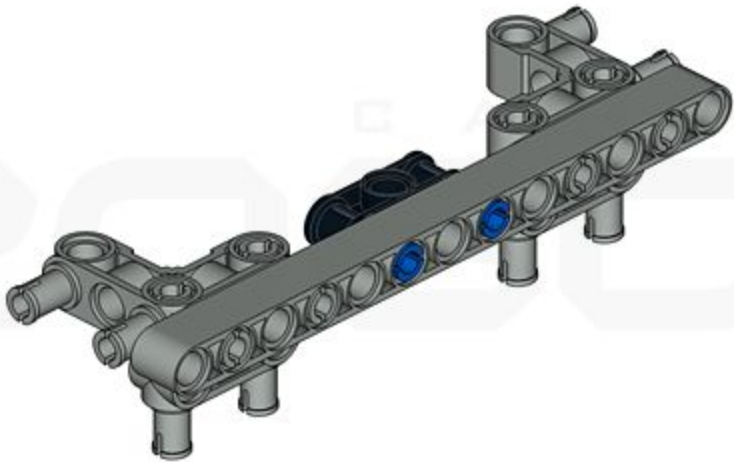


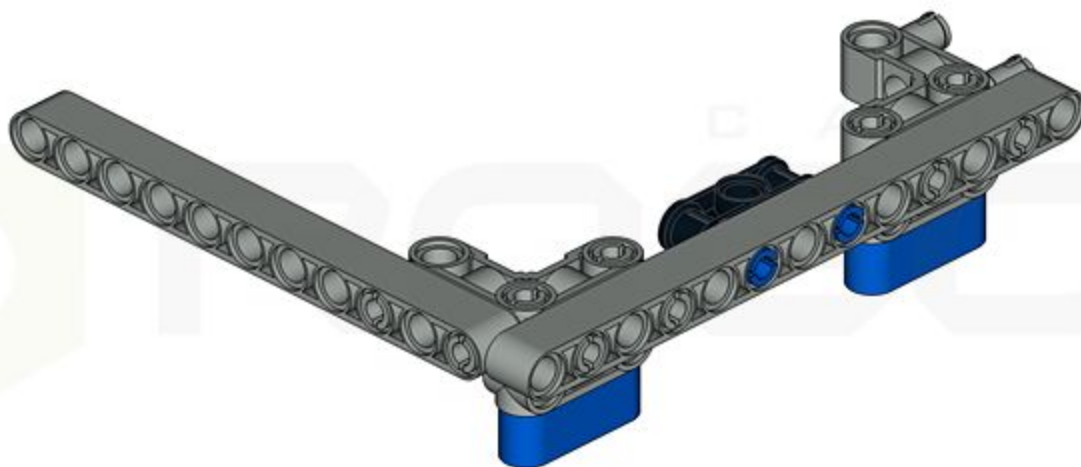
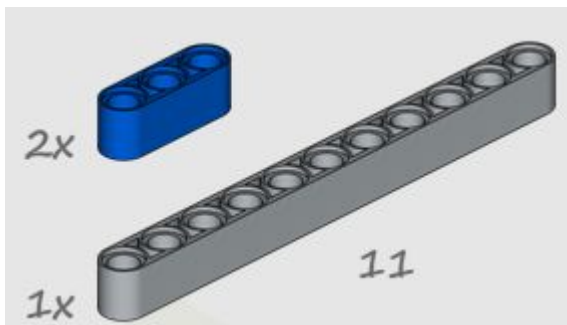


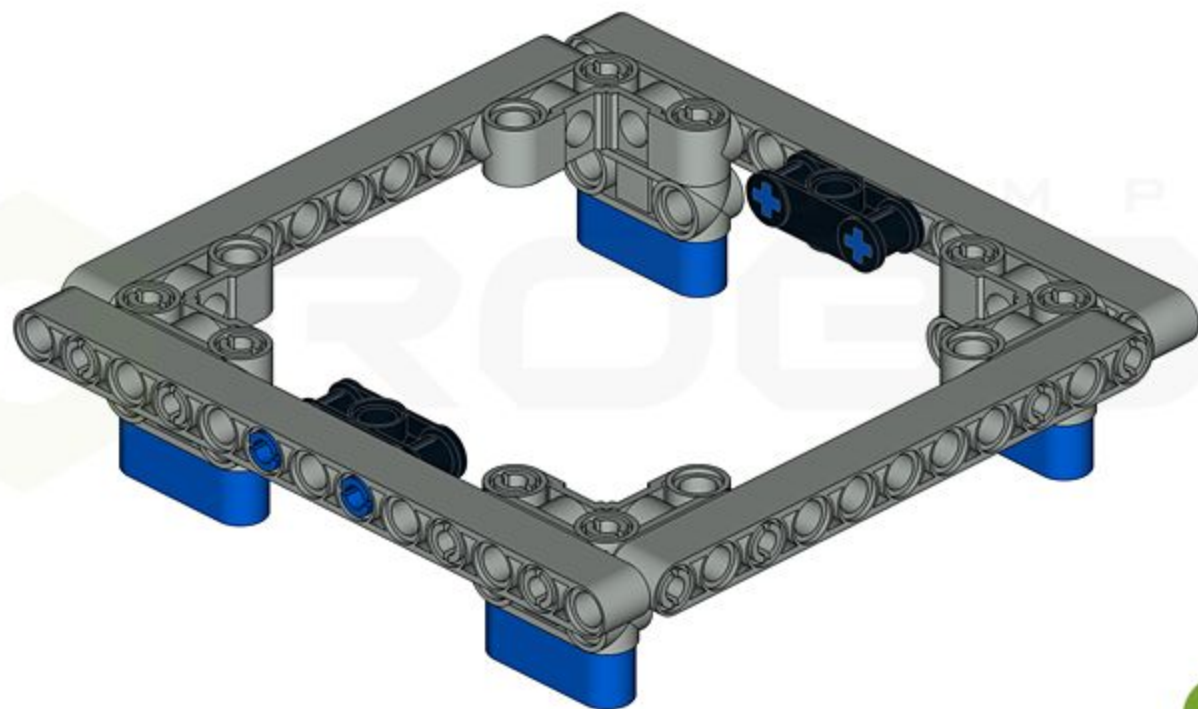


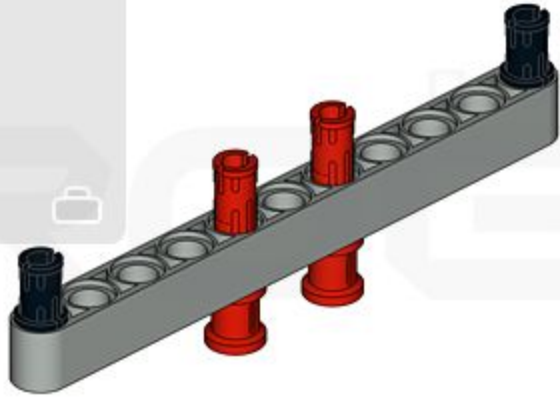
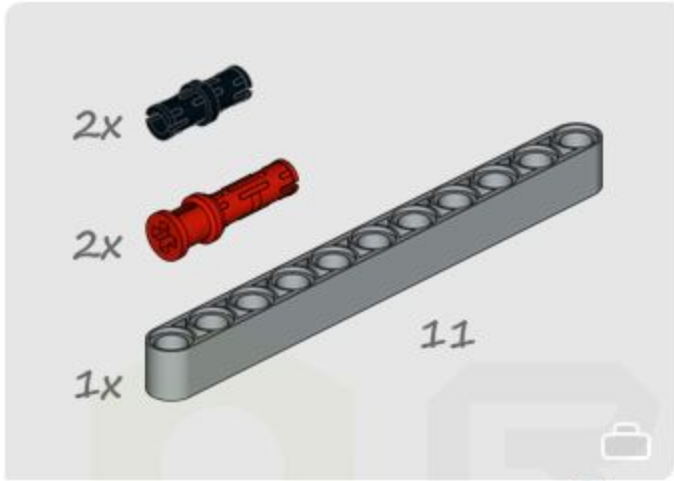


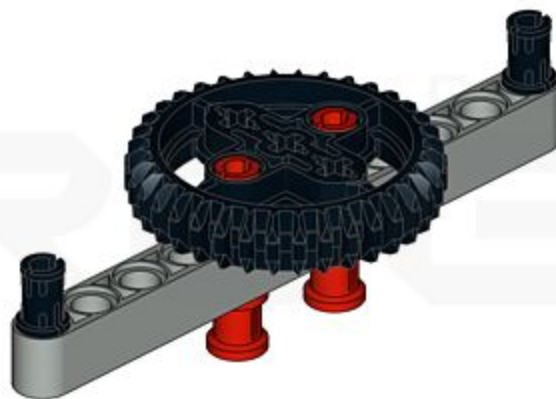


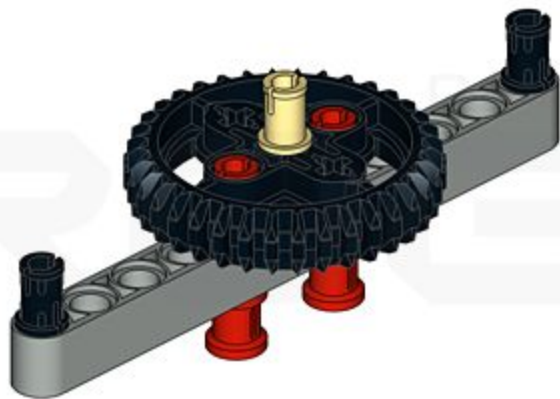


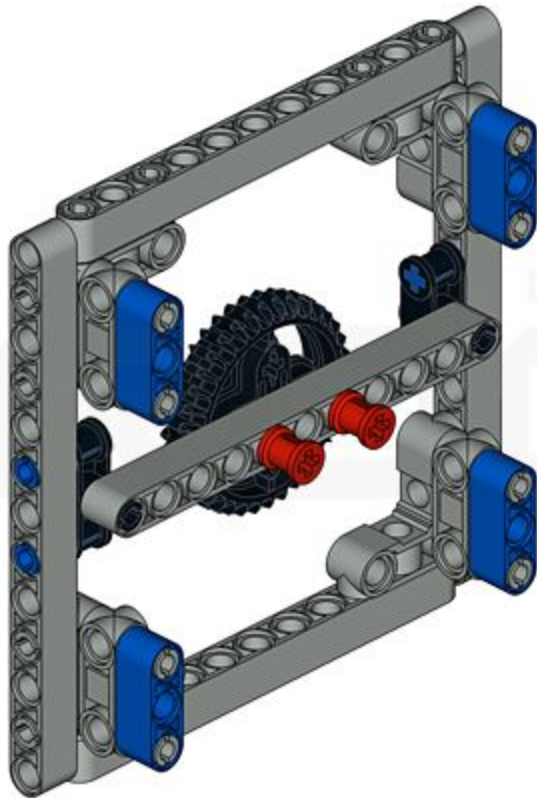




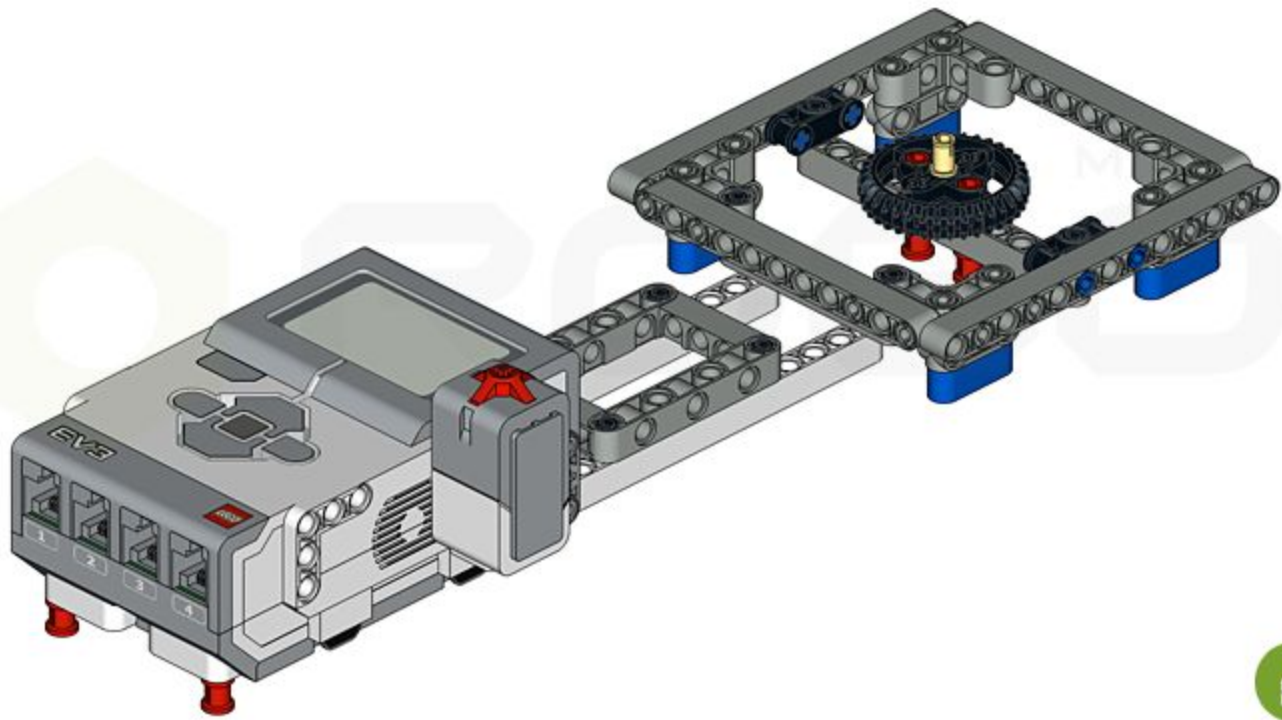


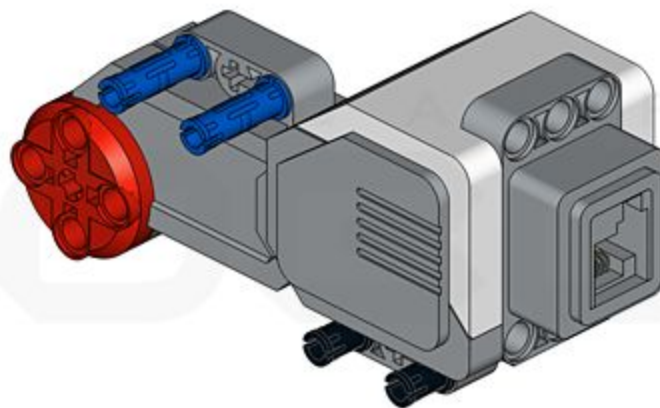


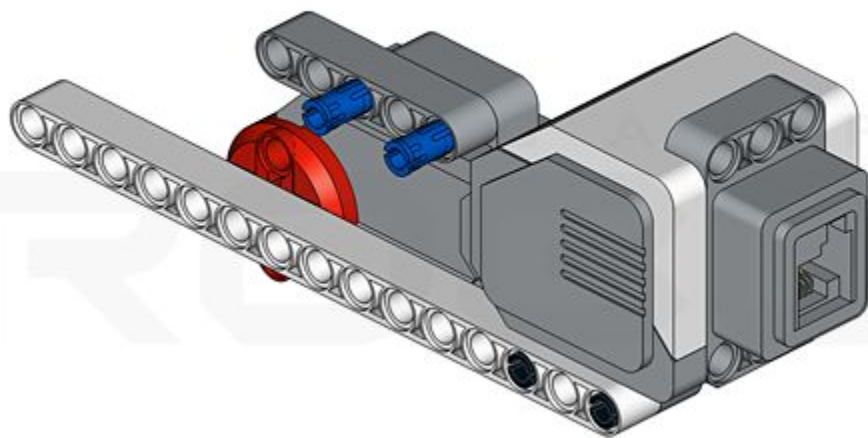
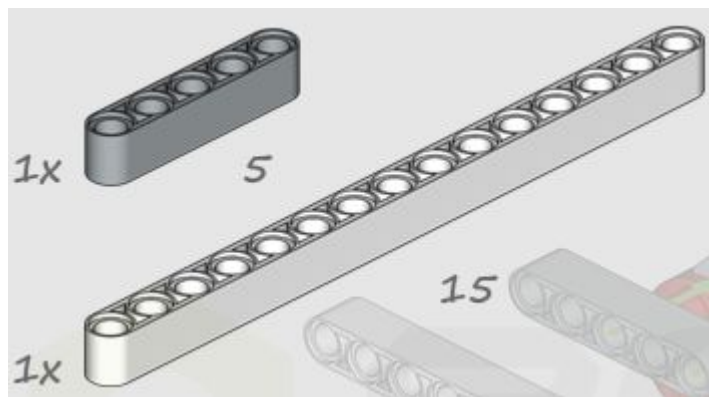




CAMP
BC



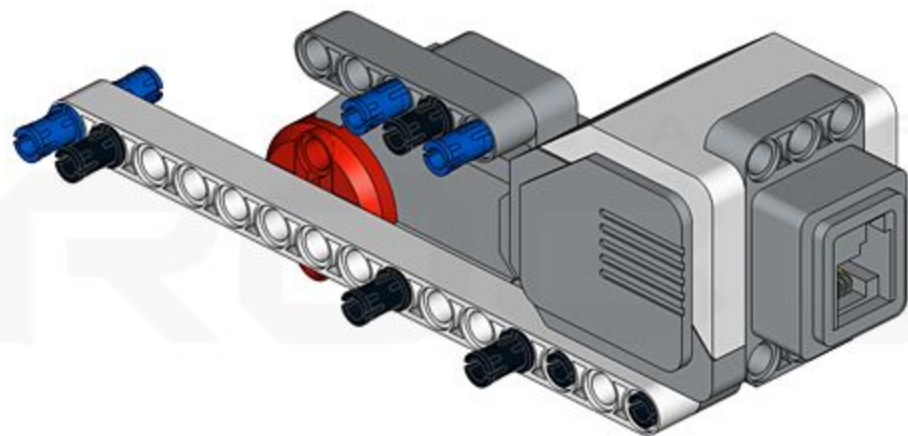


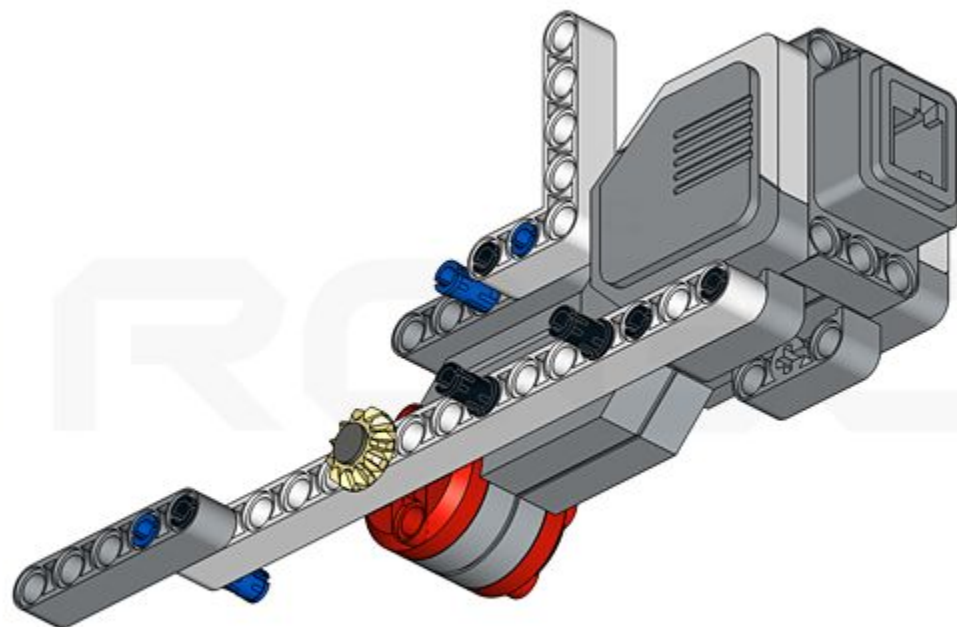
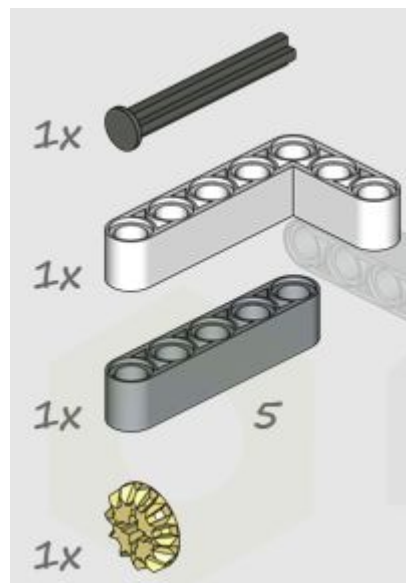


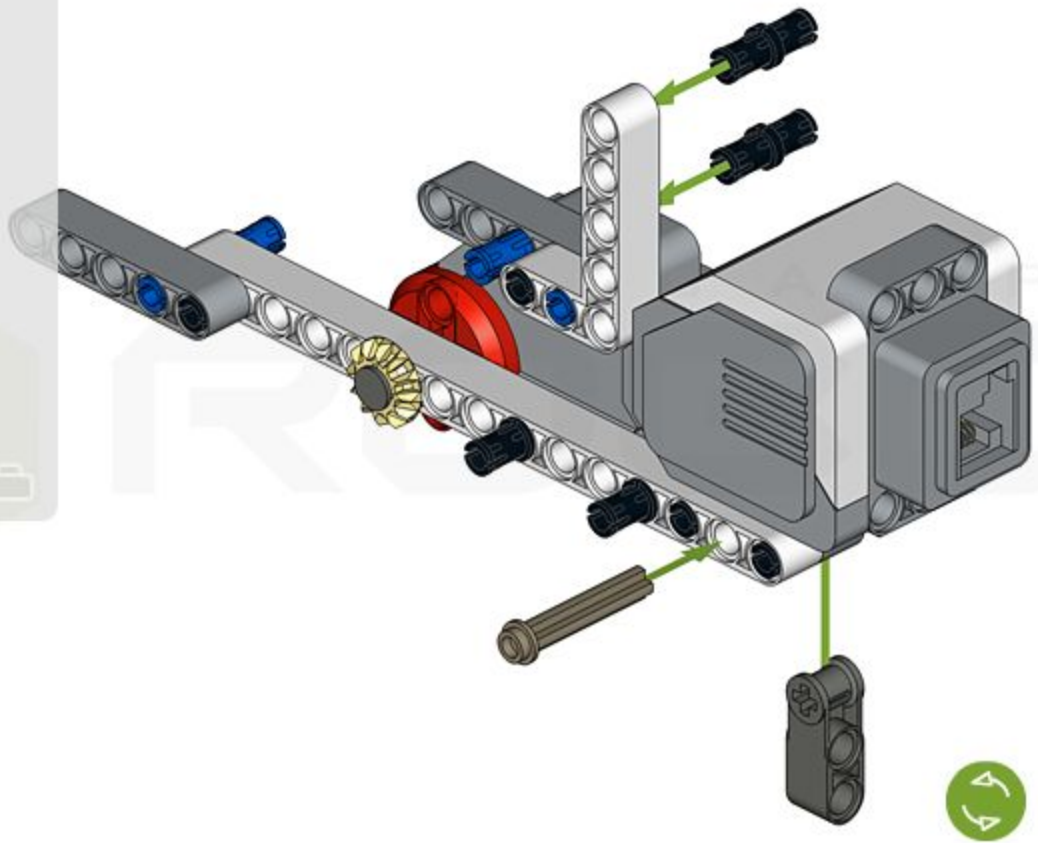
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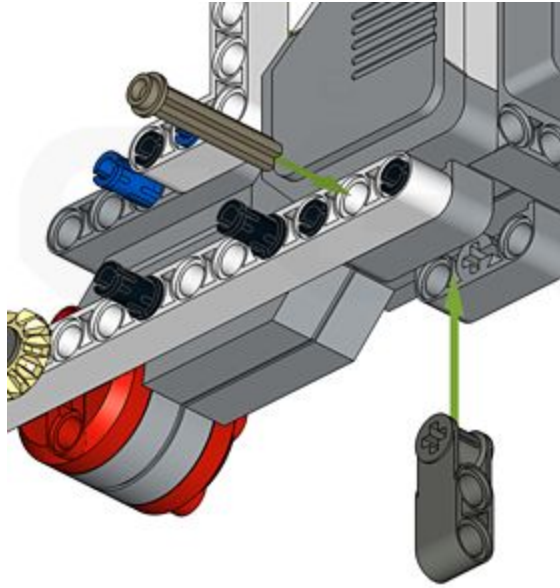


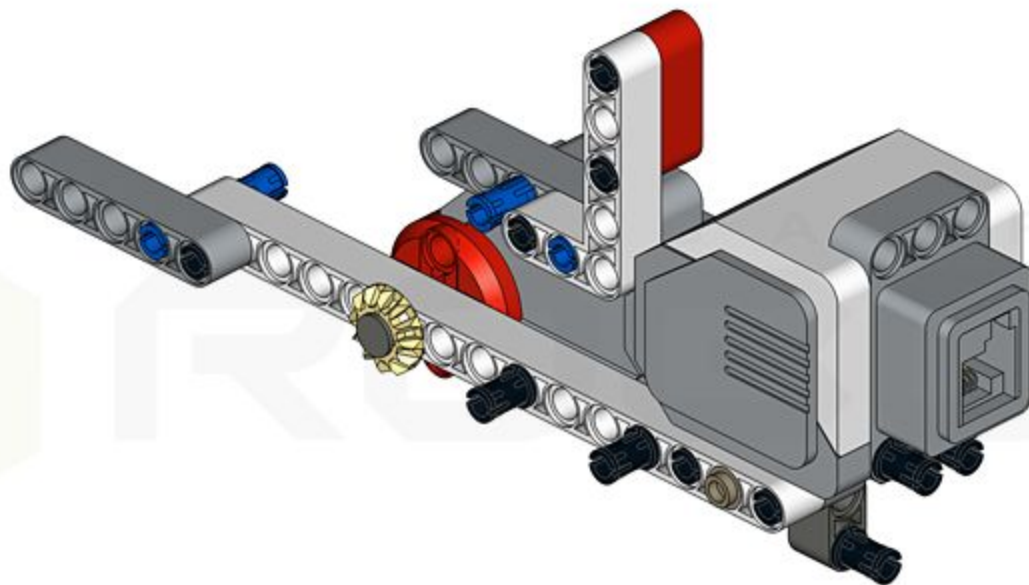
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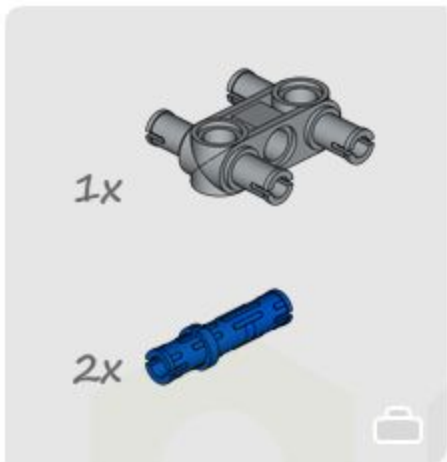




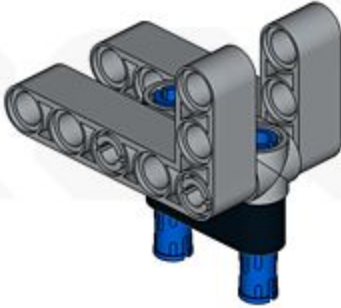
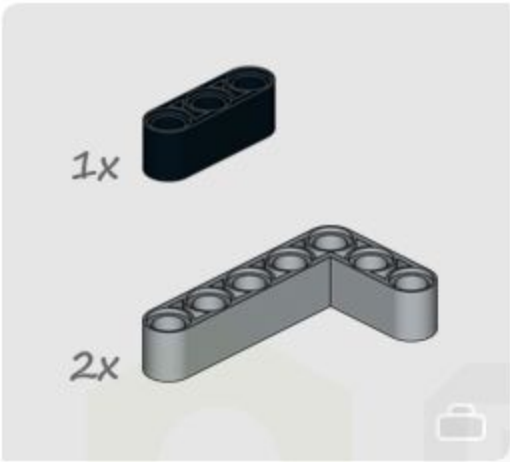






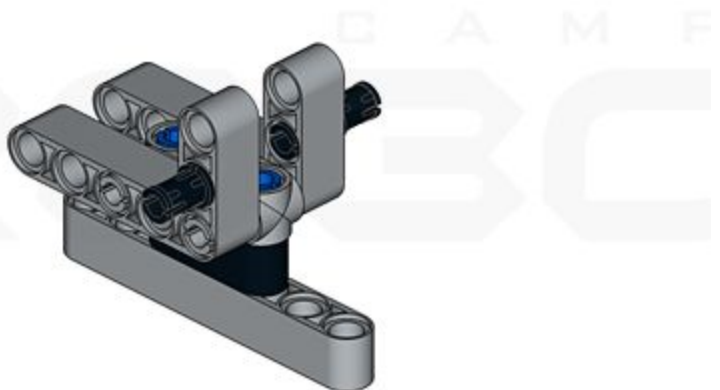
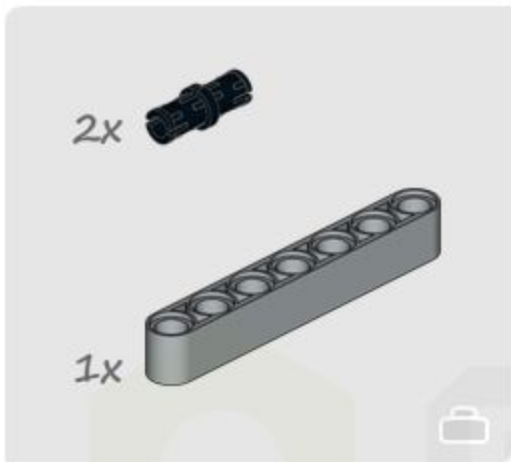


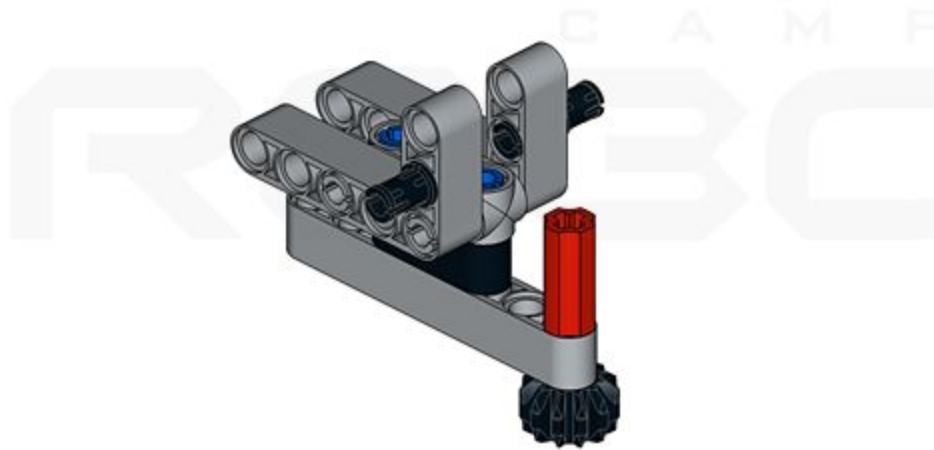
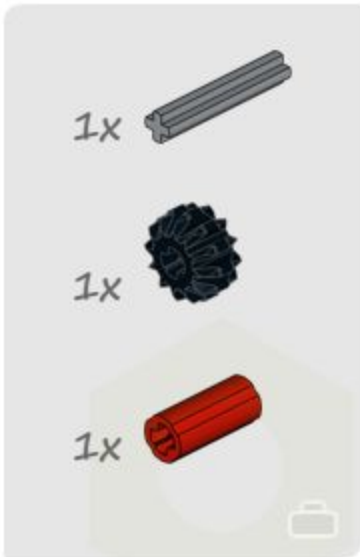
CAMP
ROBO

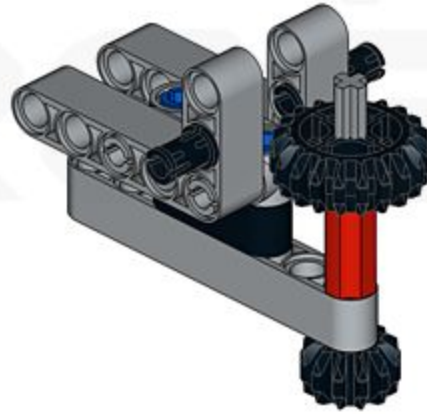


CAMP

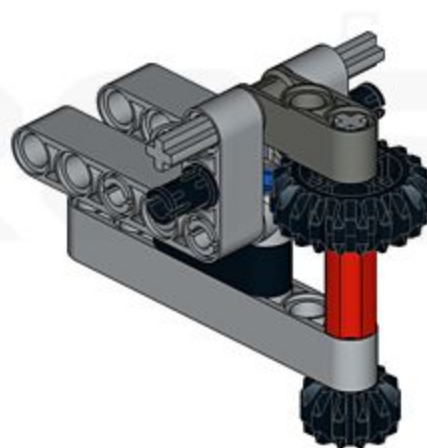
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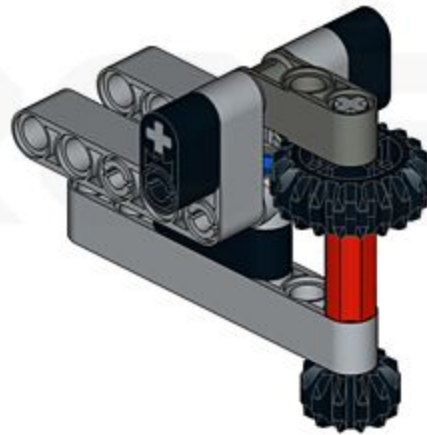


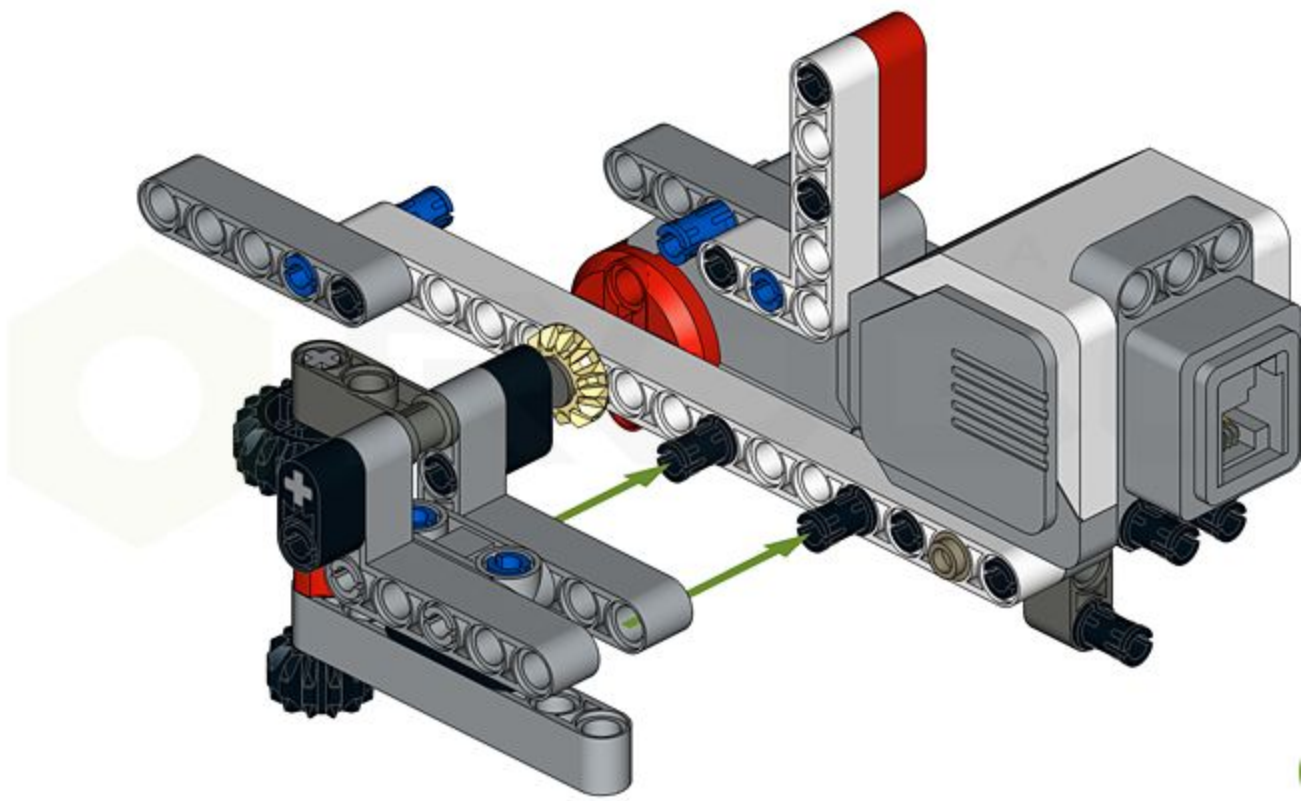


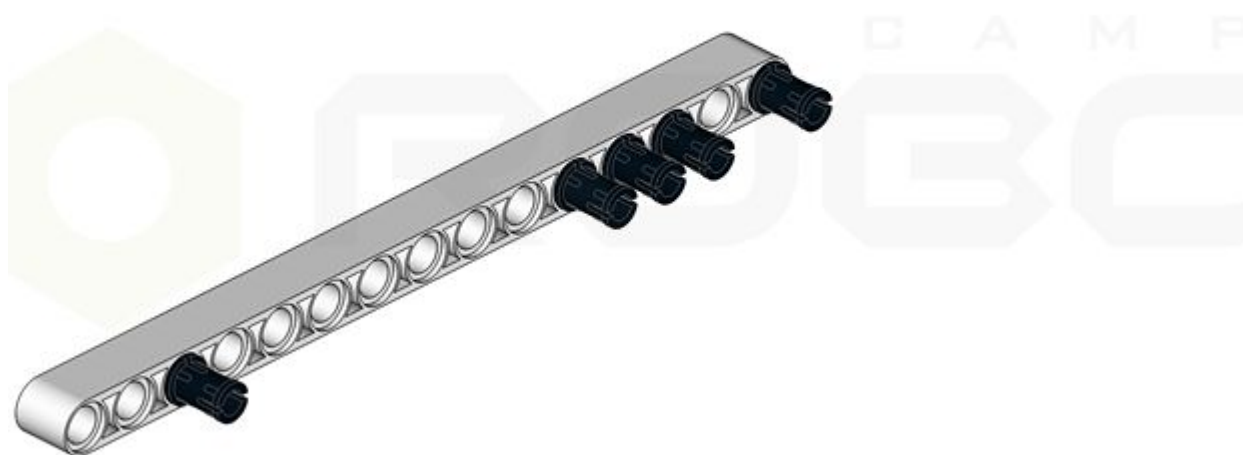
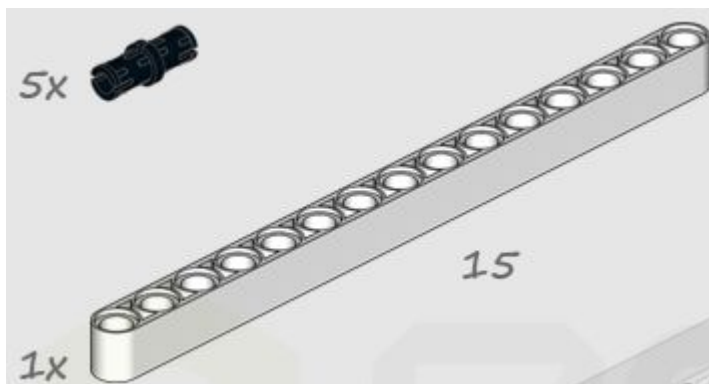


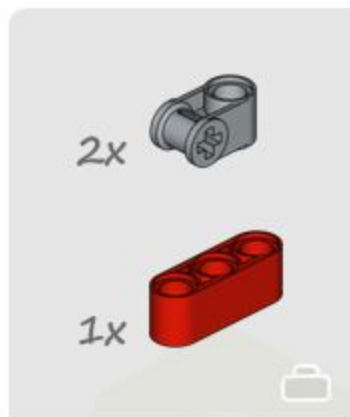
RAMP
RBC











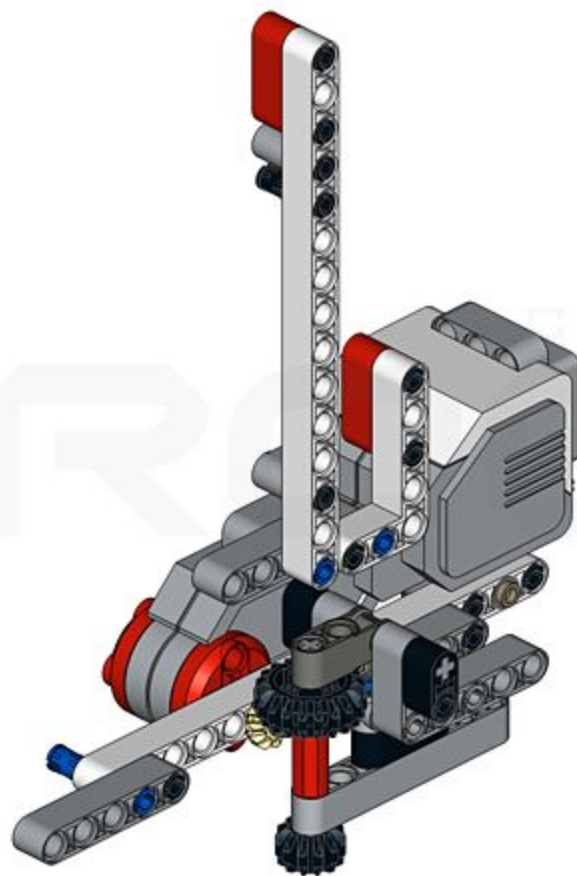
D A M P

GBC



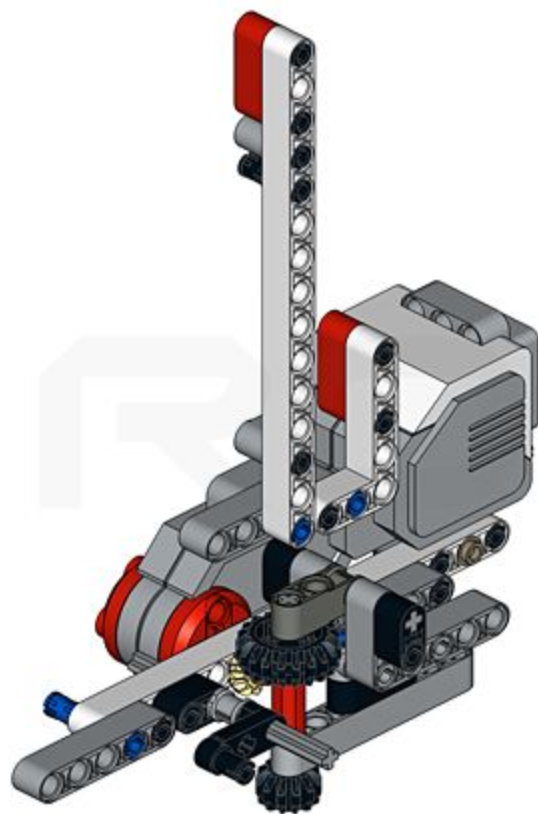


ROBOTSAMP



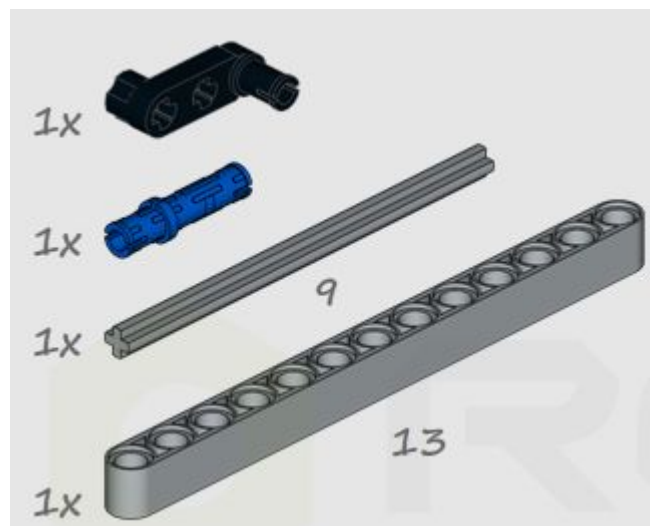


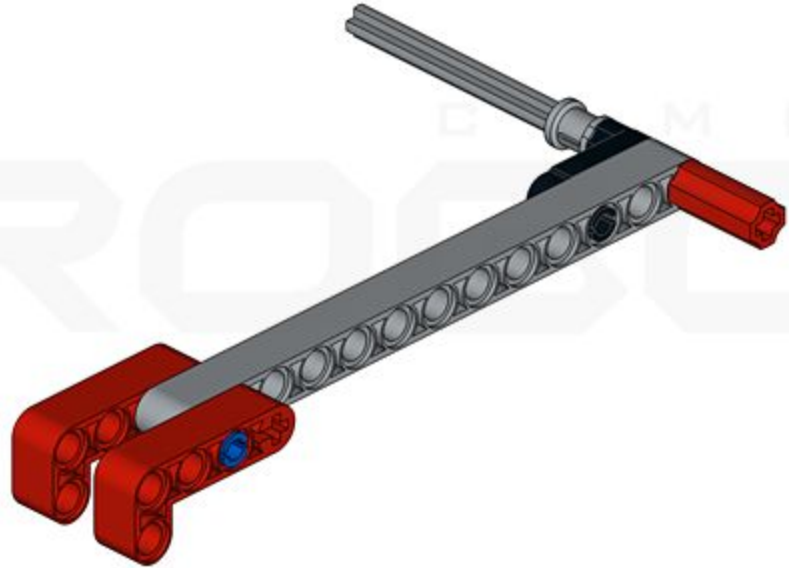
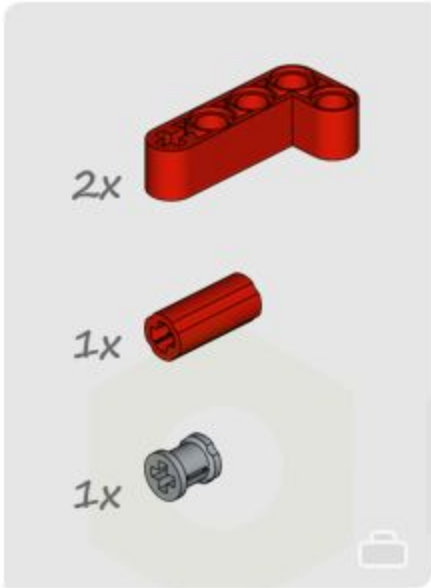


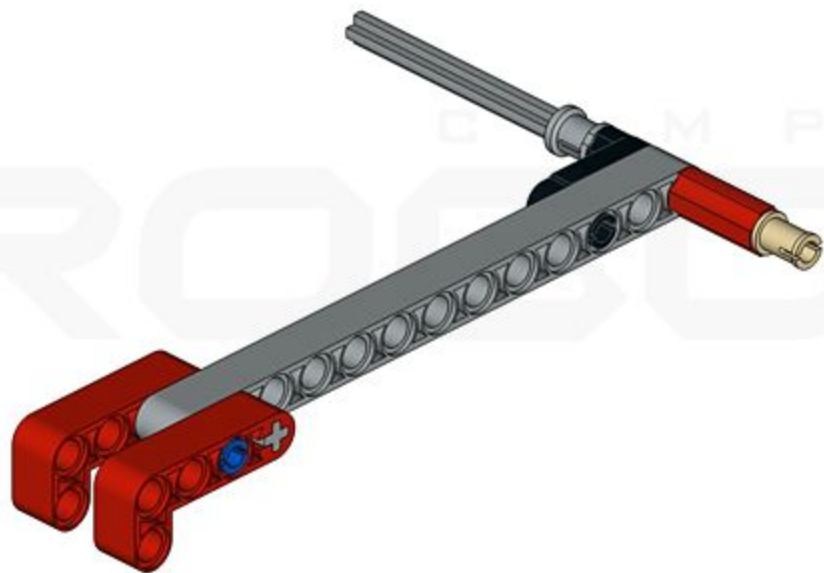


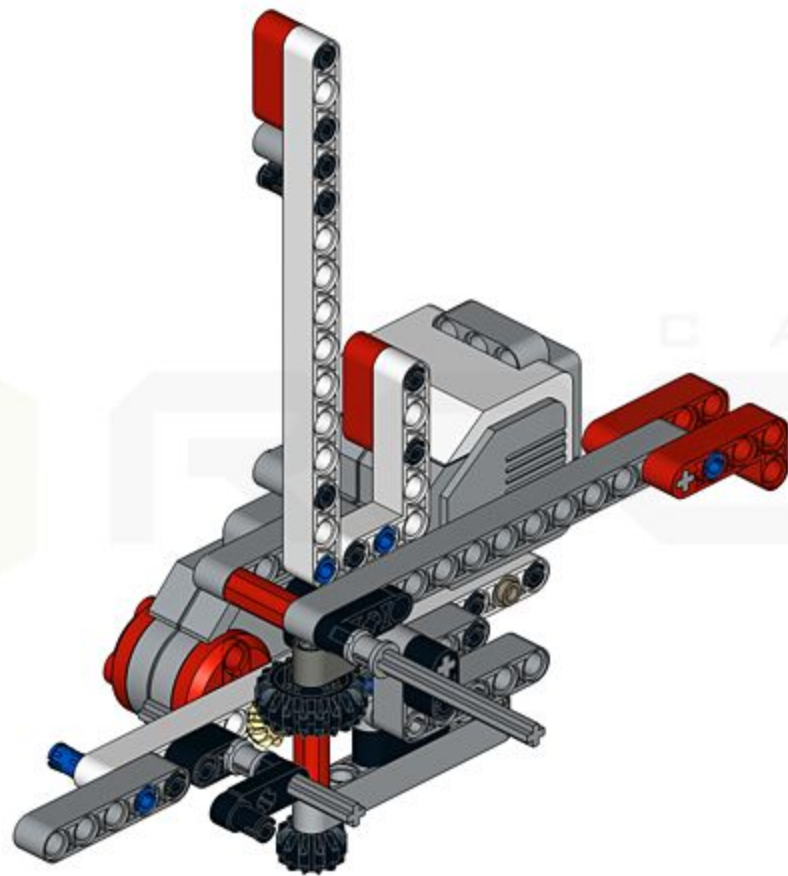
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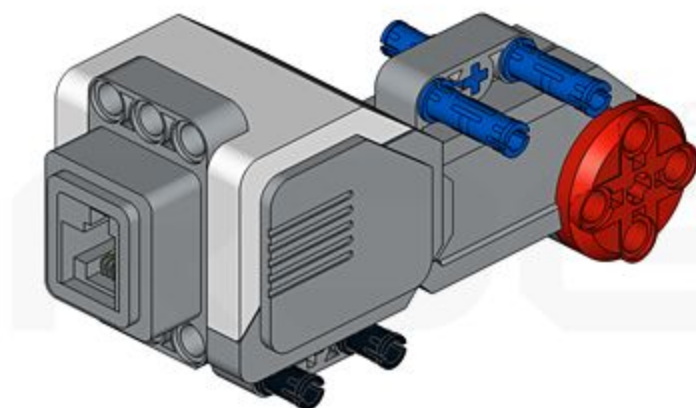
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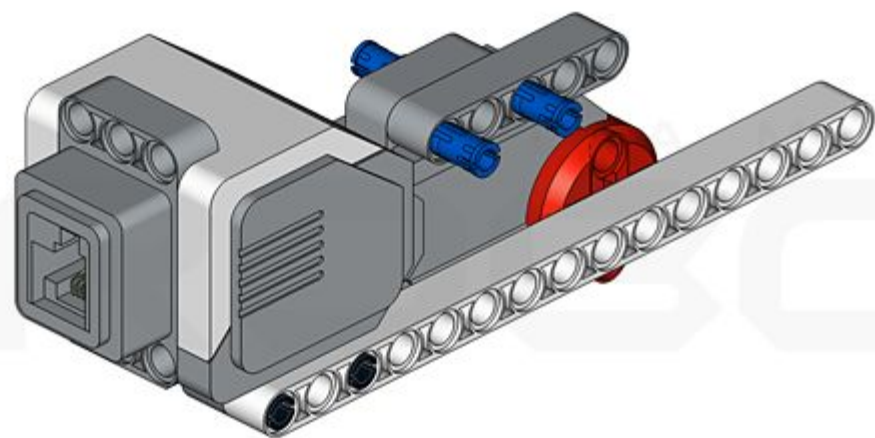
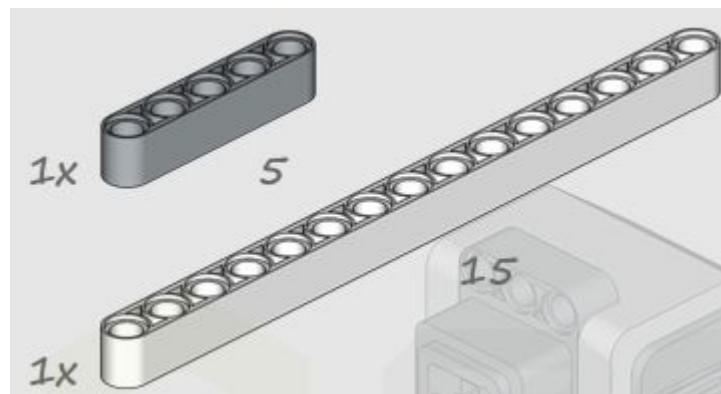


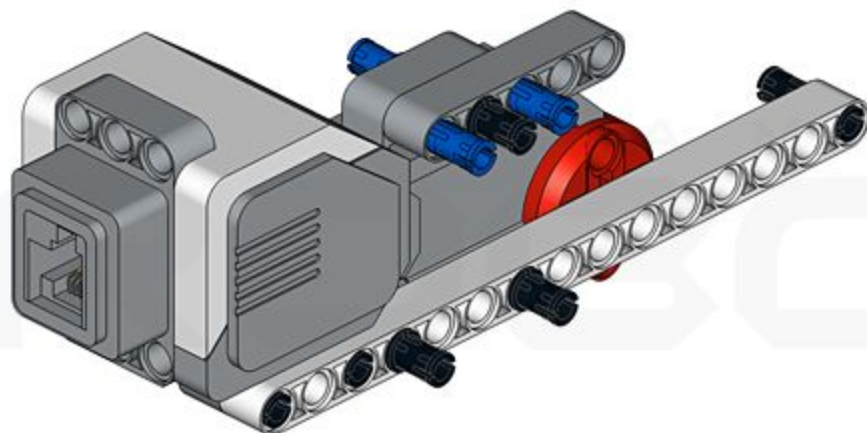


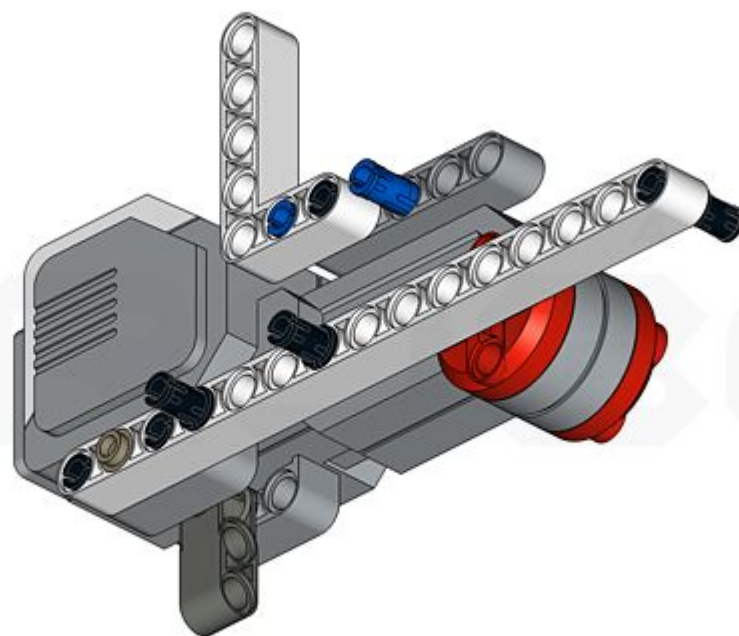
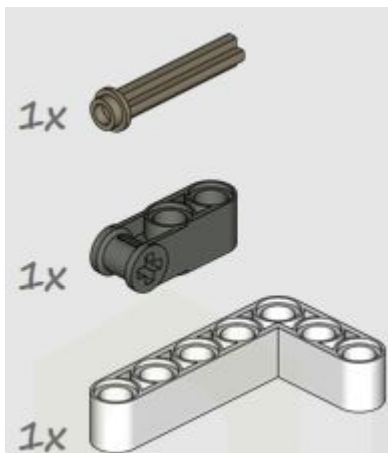


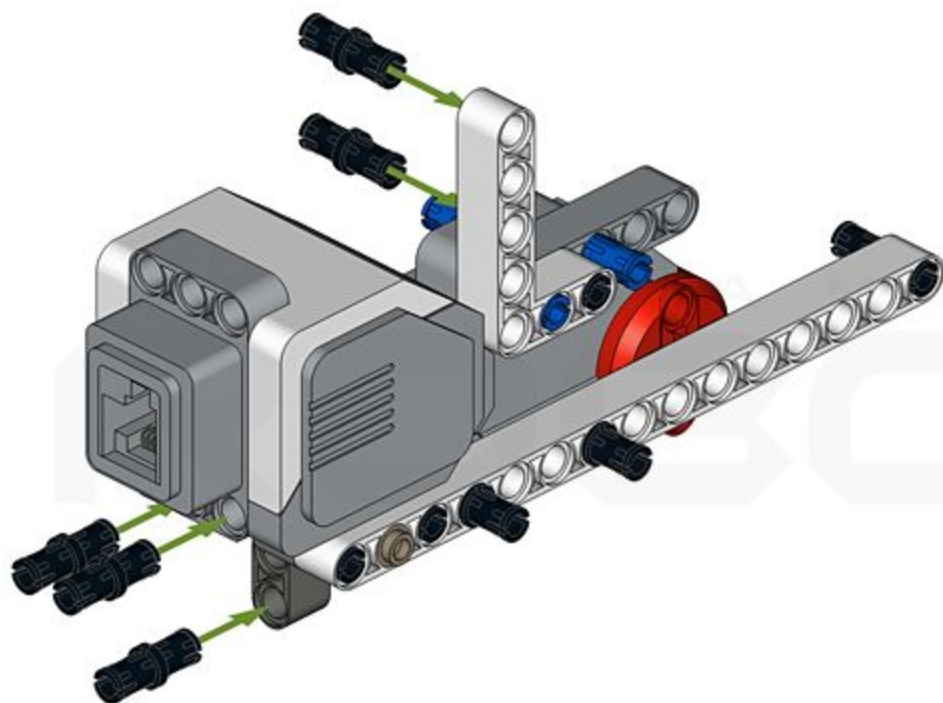


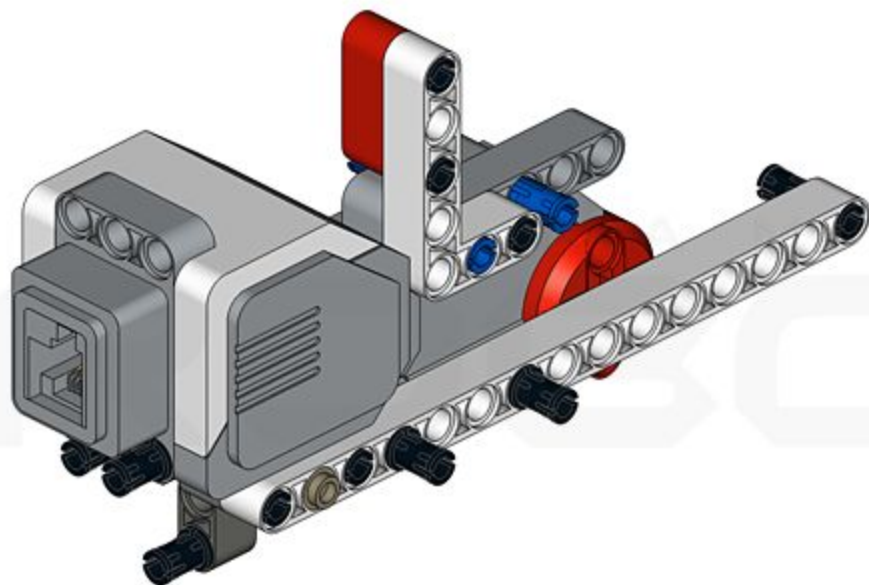
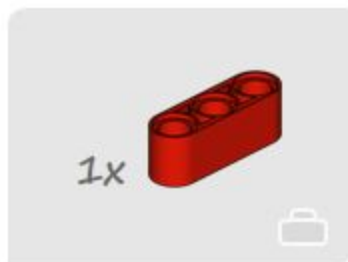


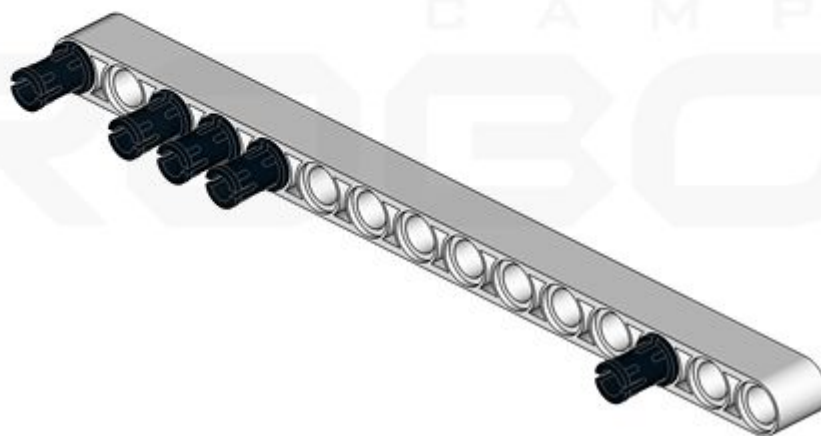
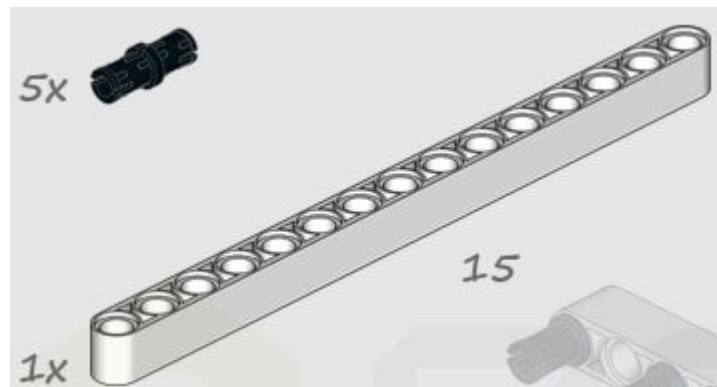


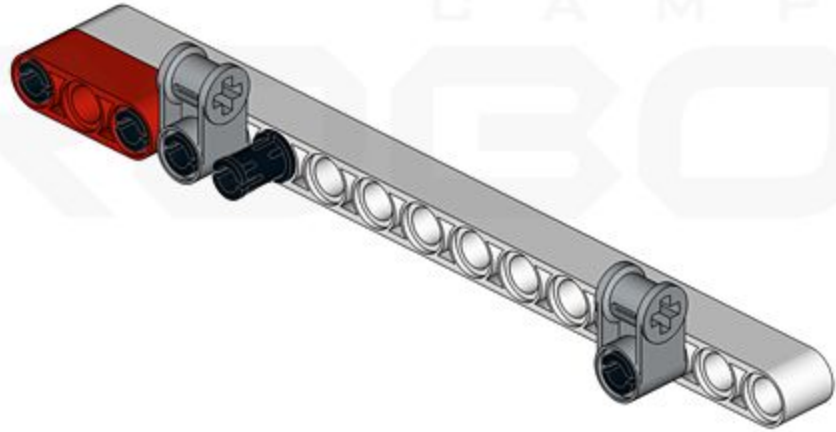


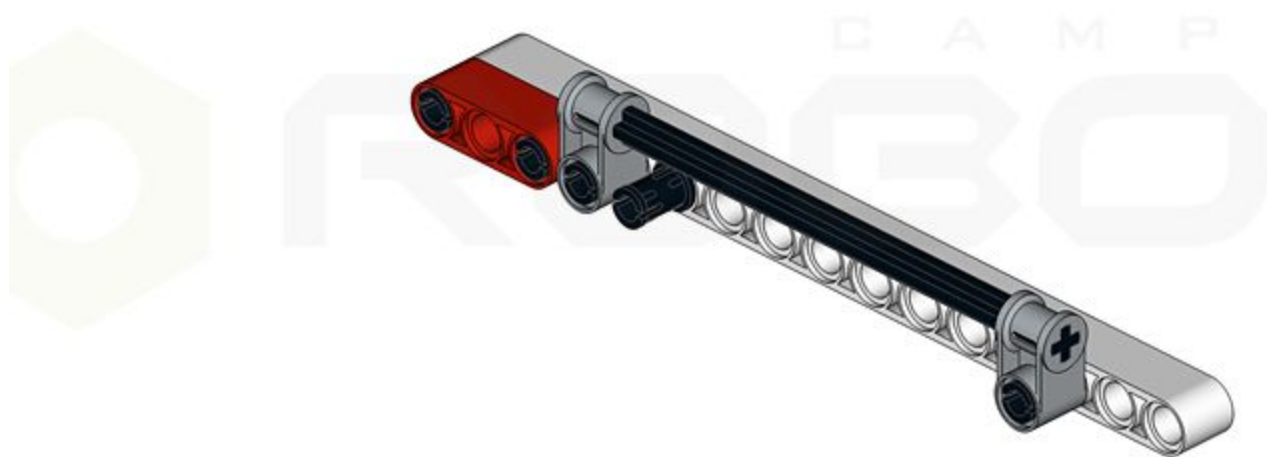


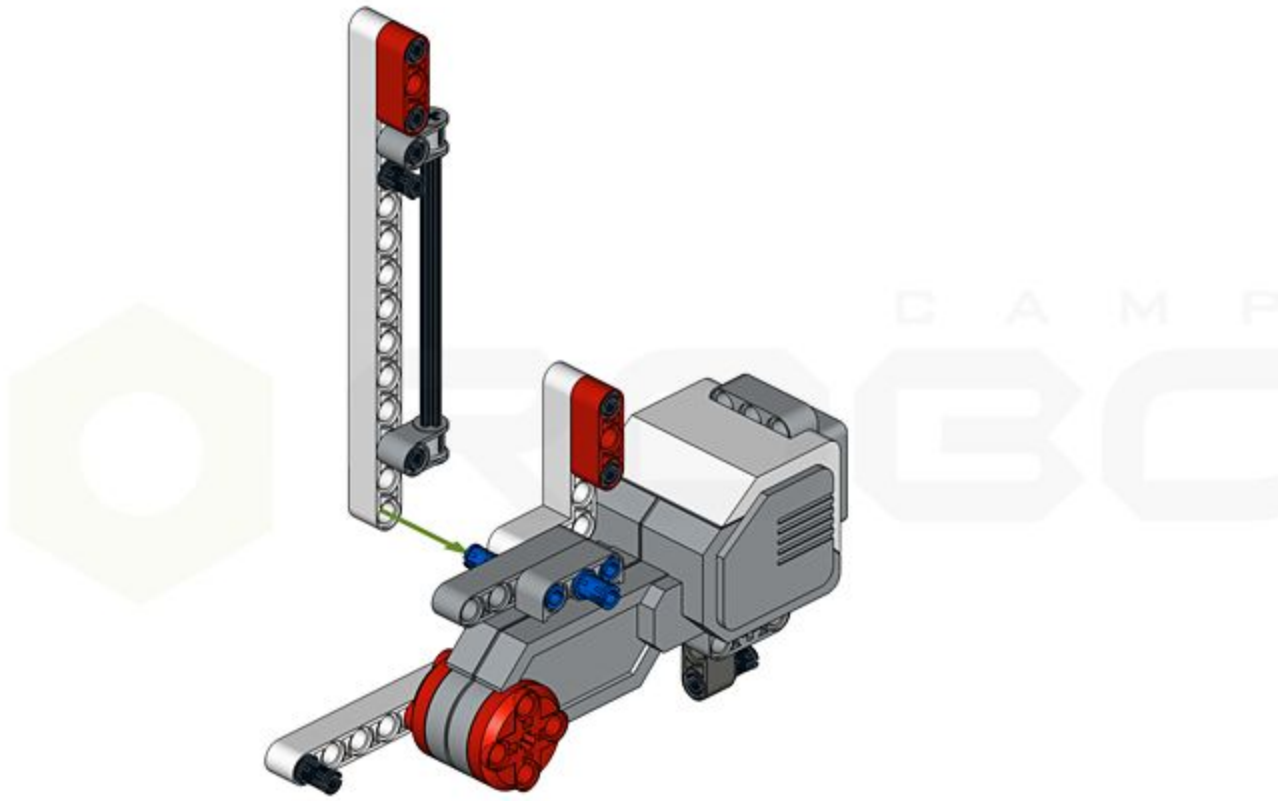


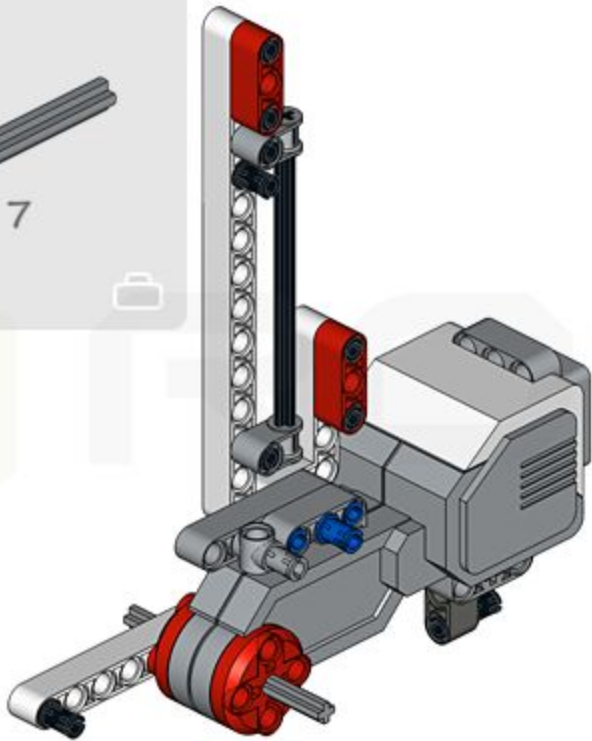
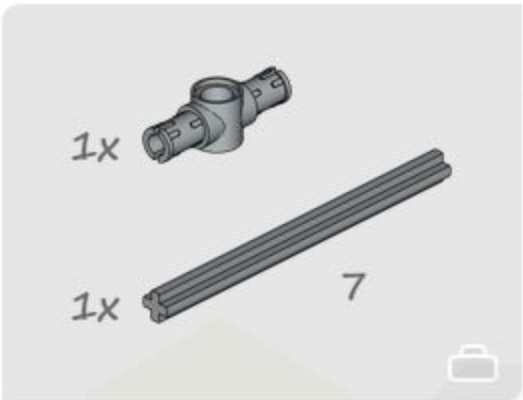




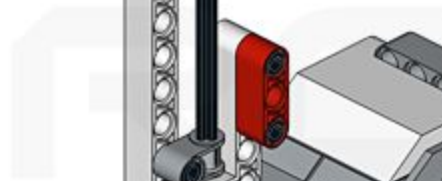
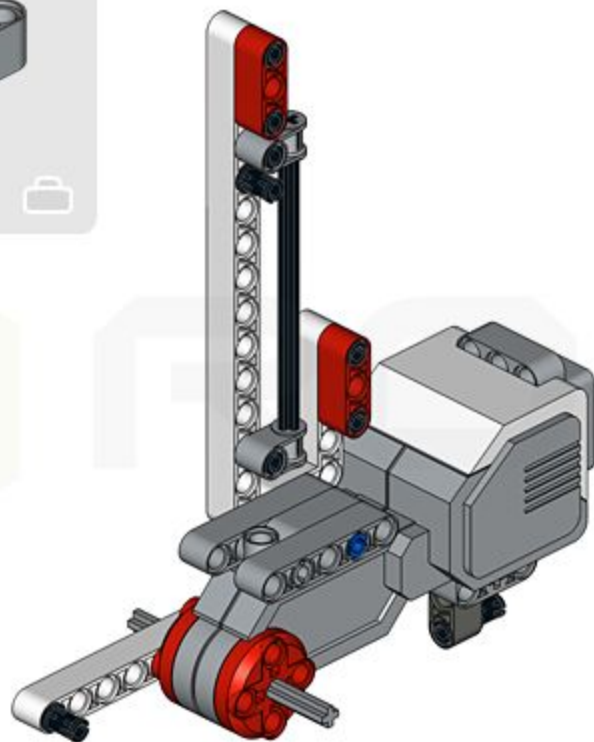
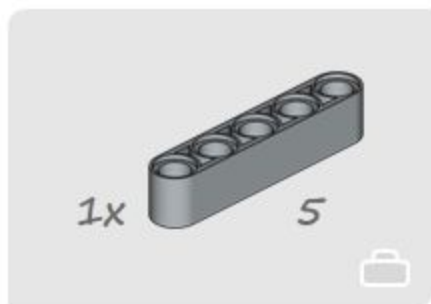


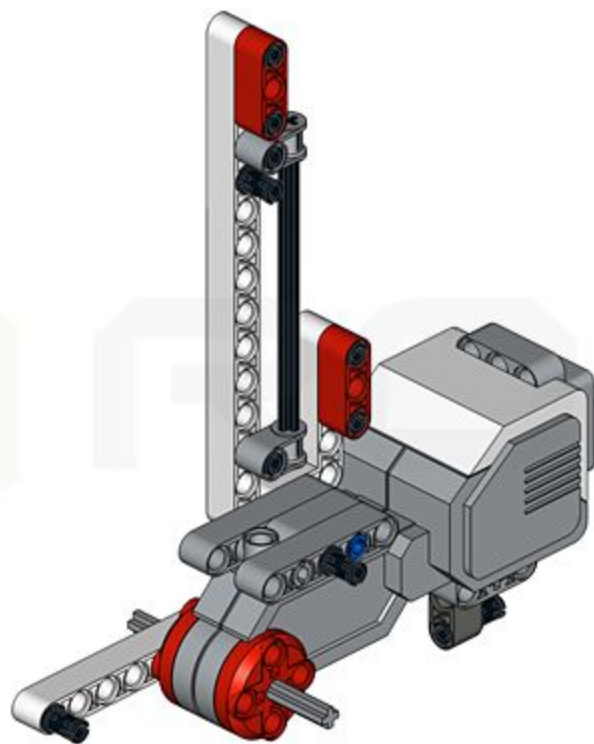
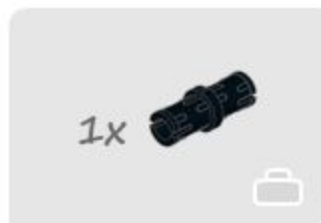


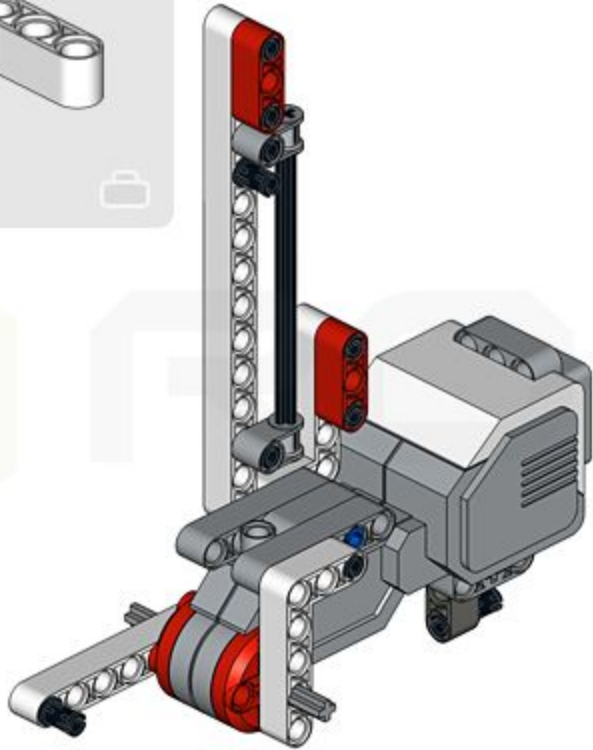
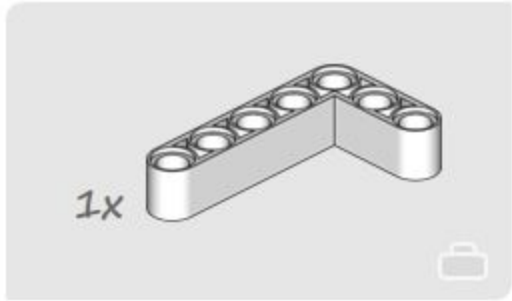




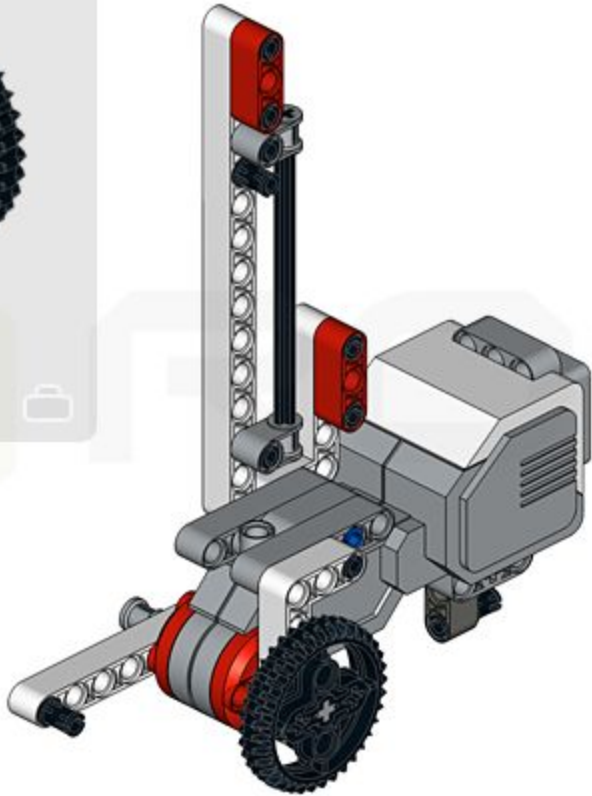
CAMP
BC





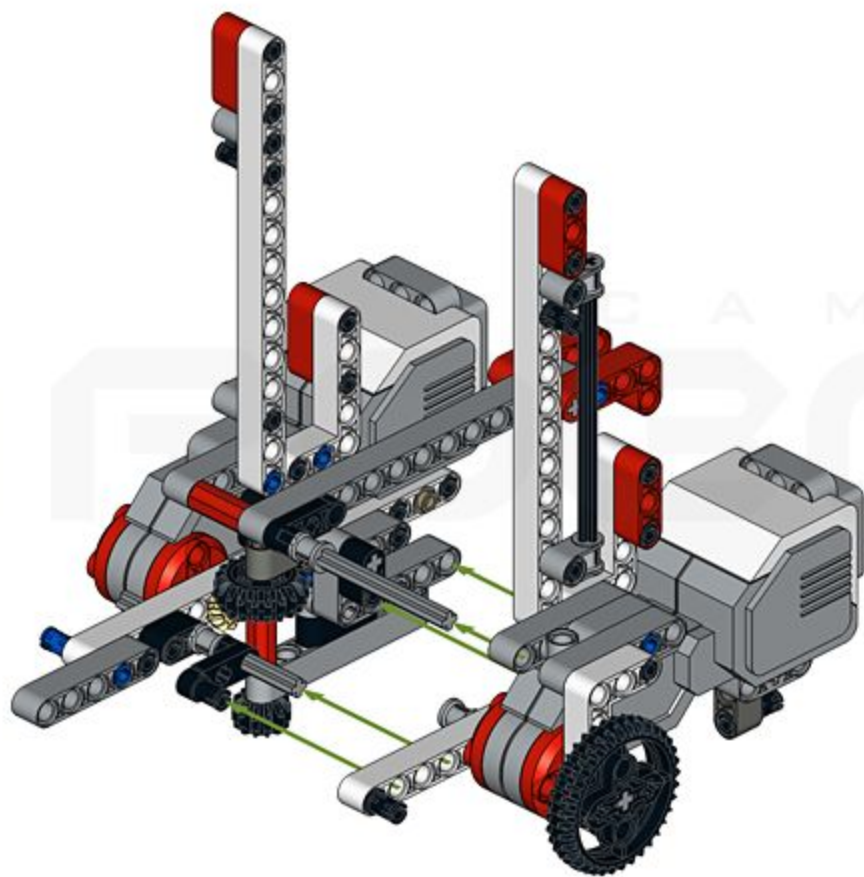


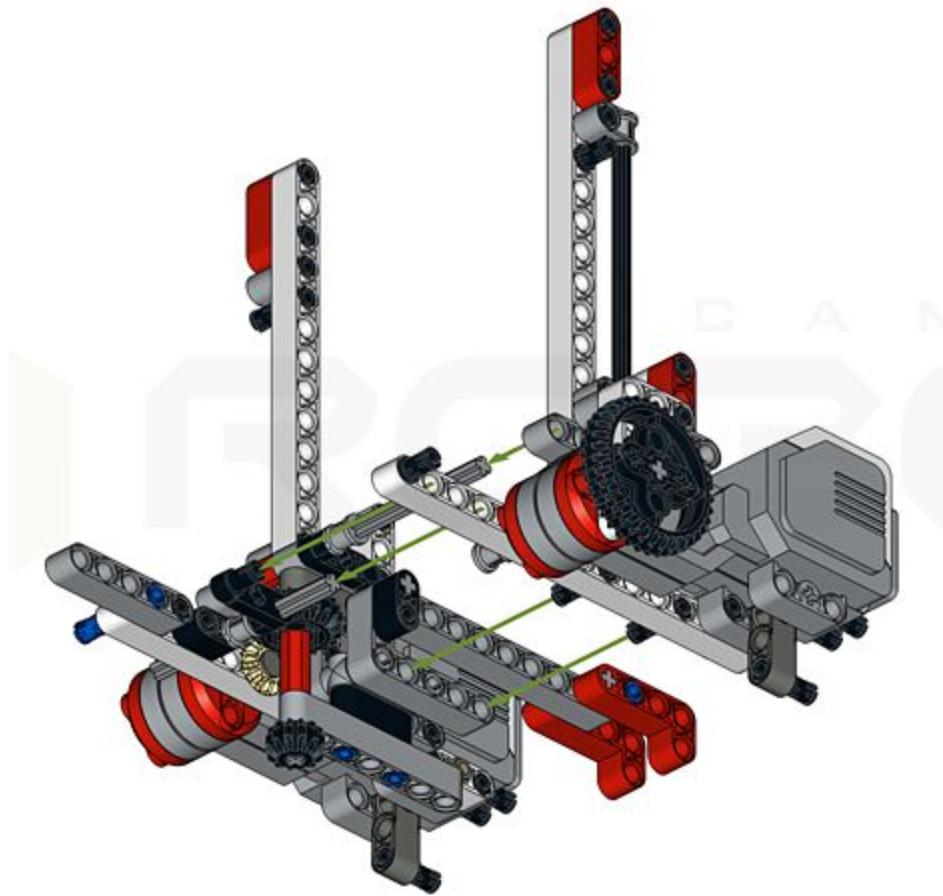
CAMP
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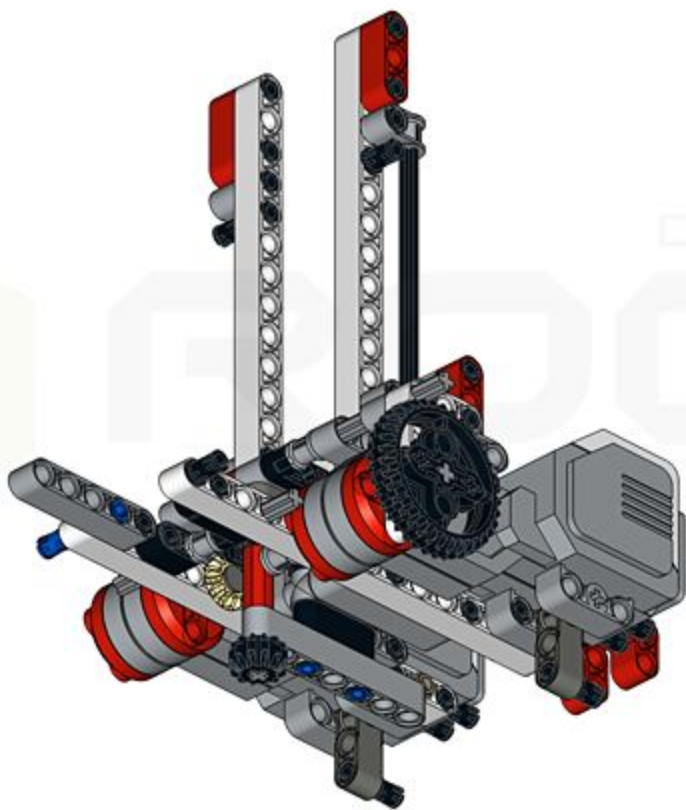


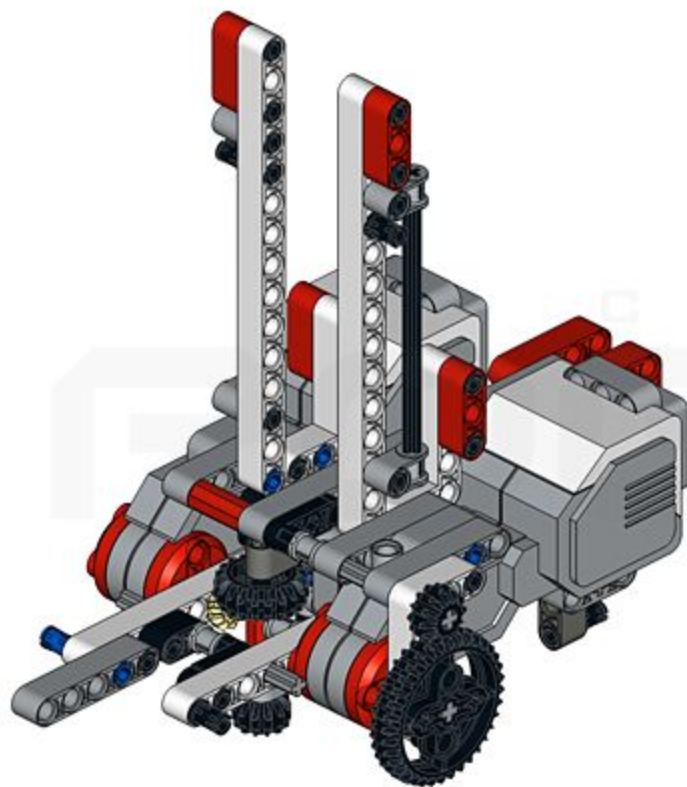
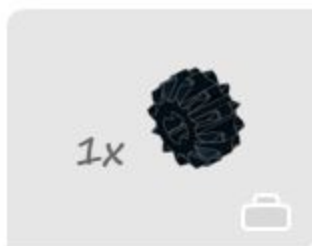
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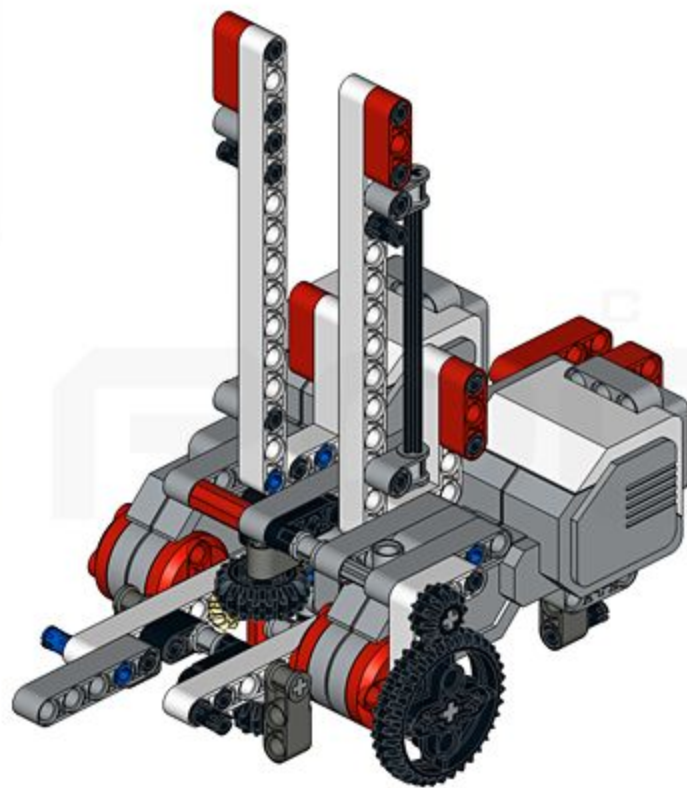
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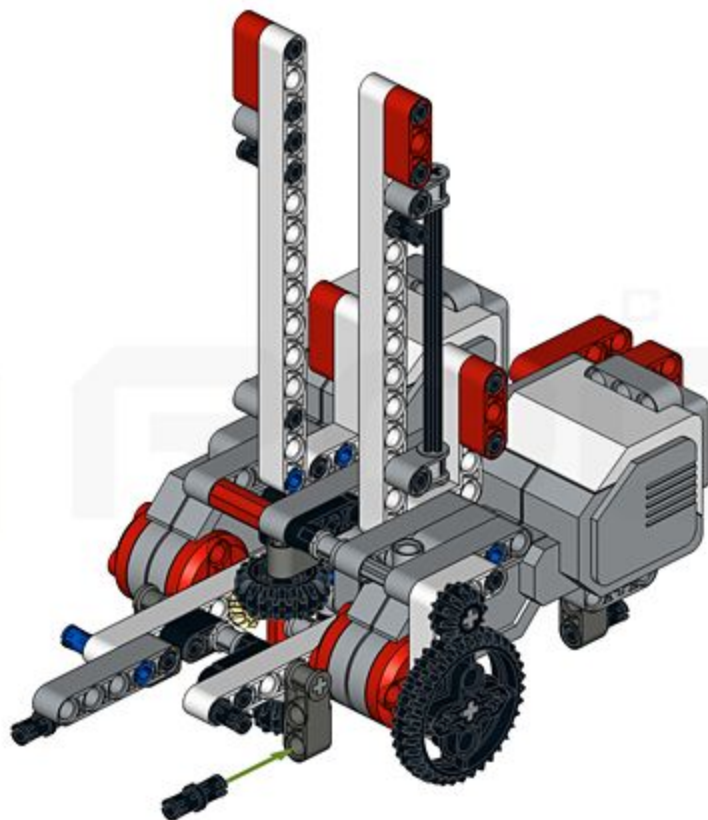


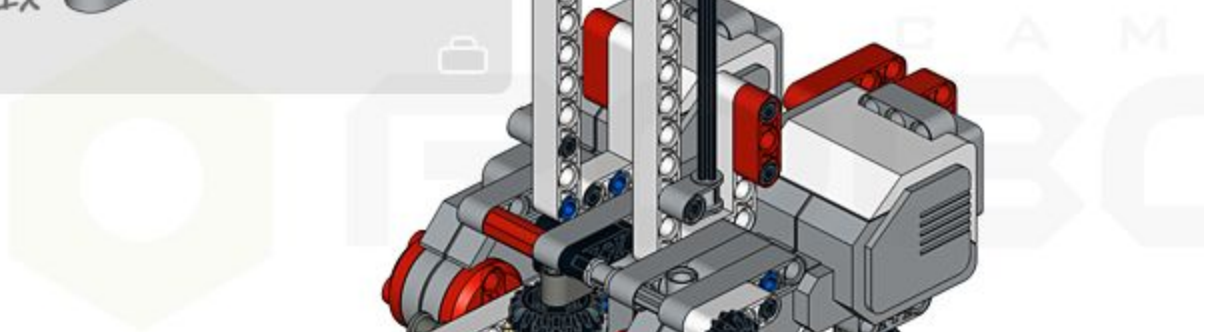
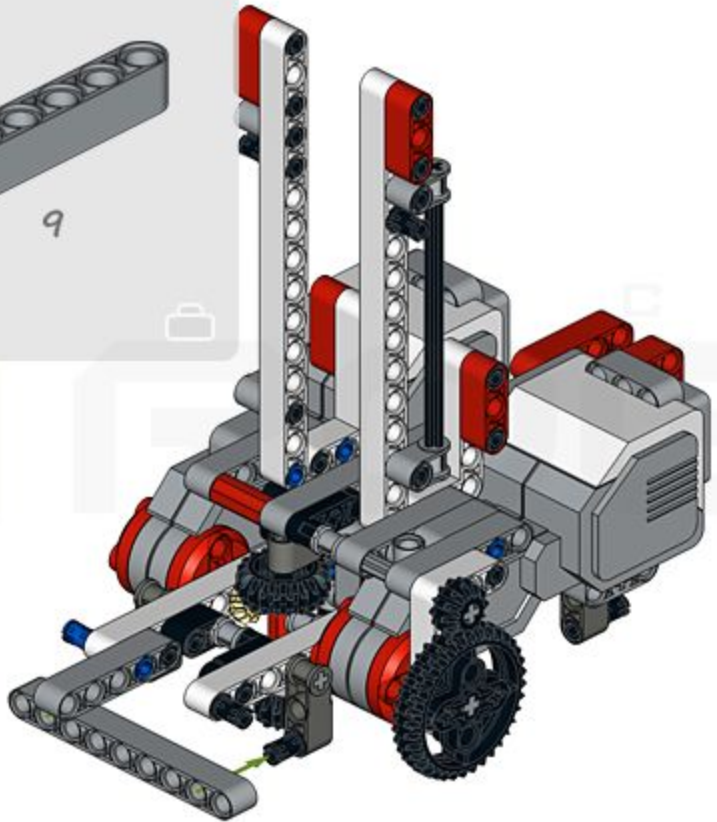
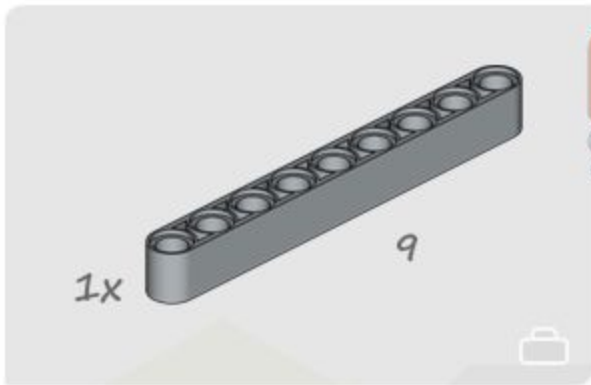


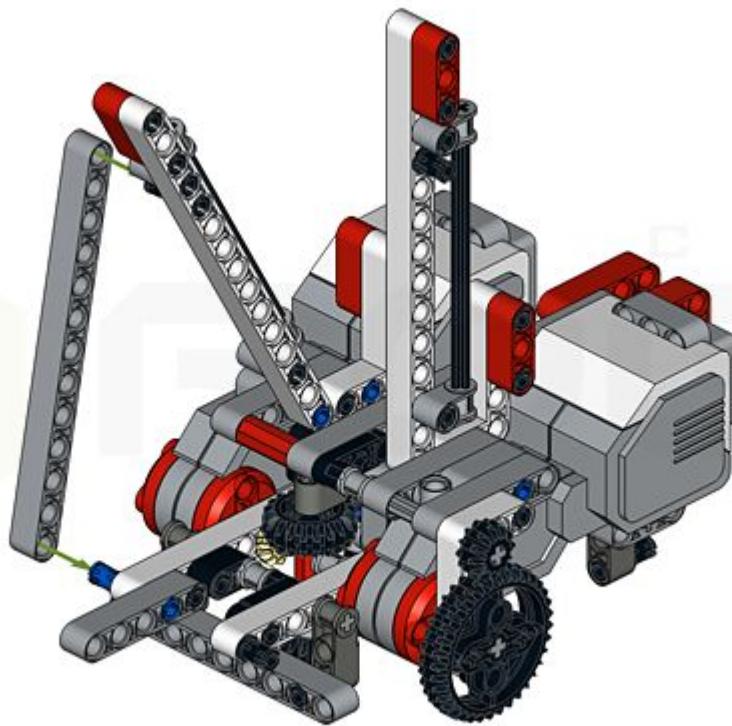
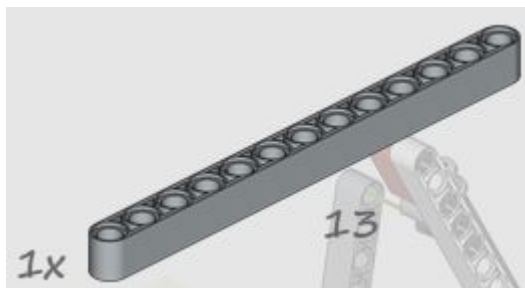




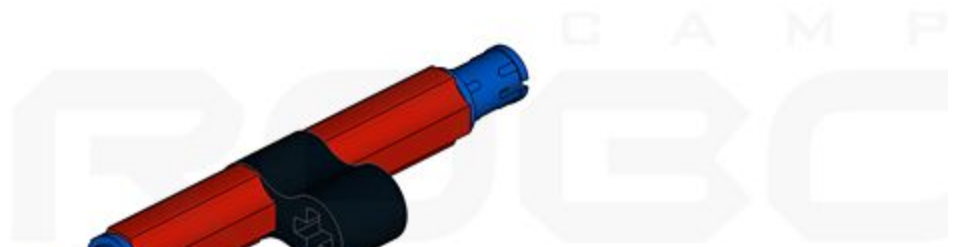
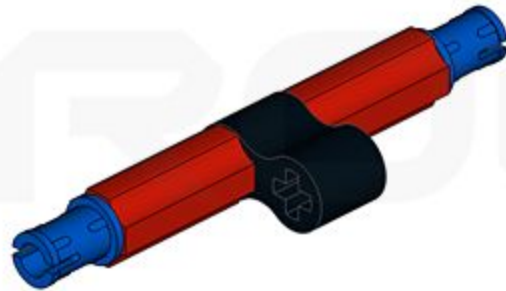
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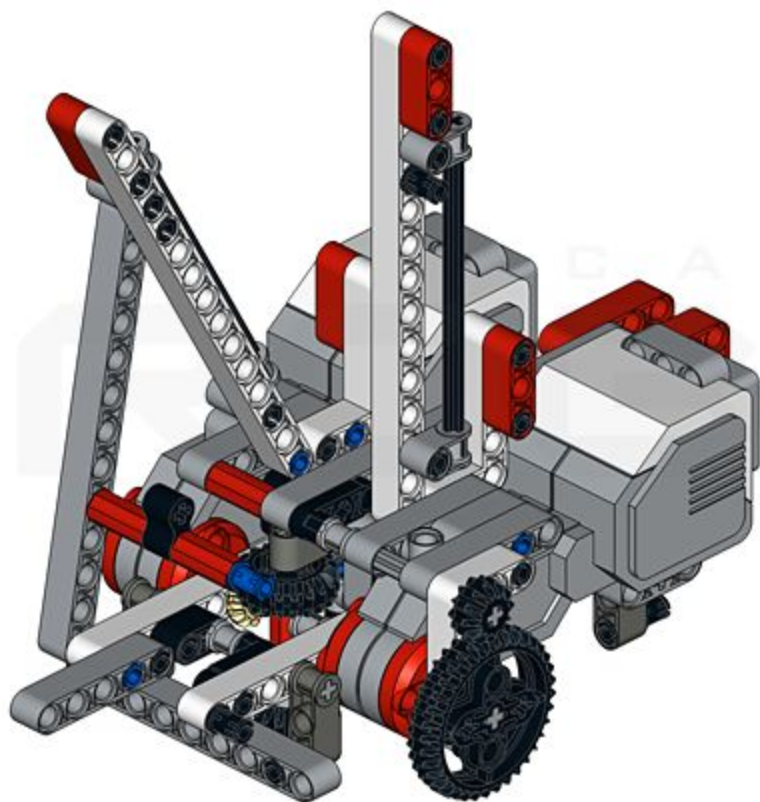


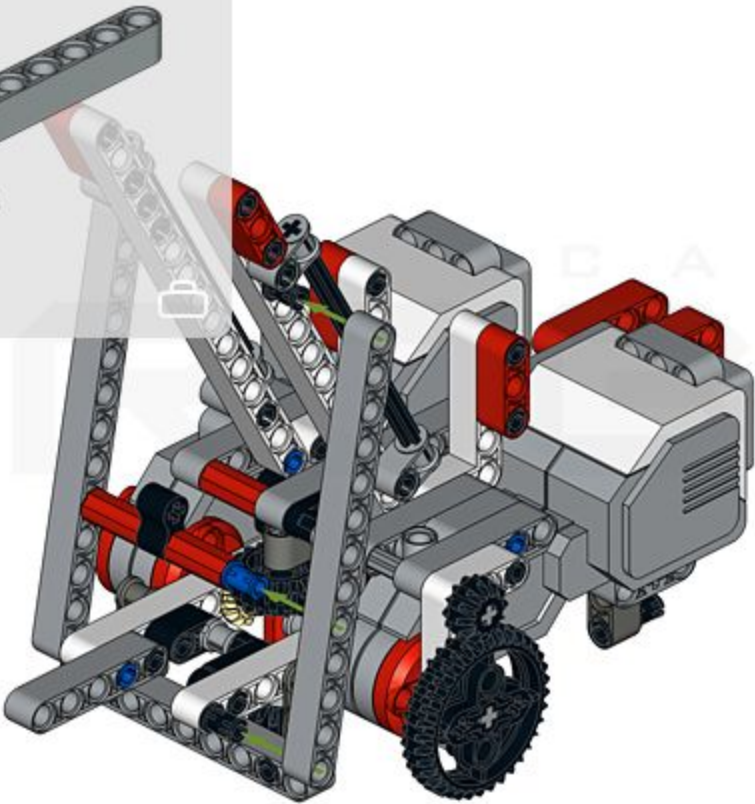
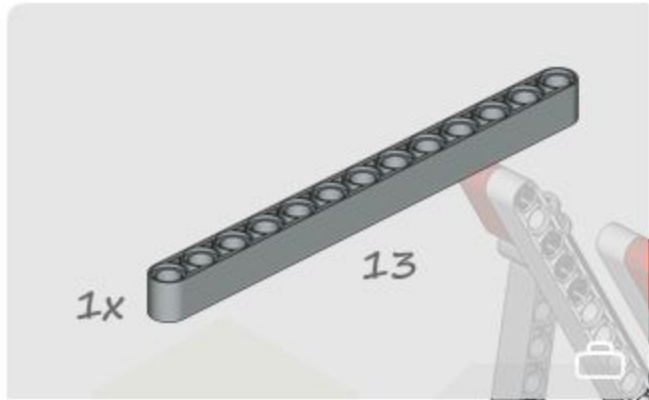




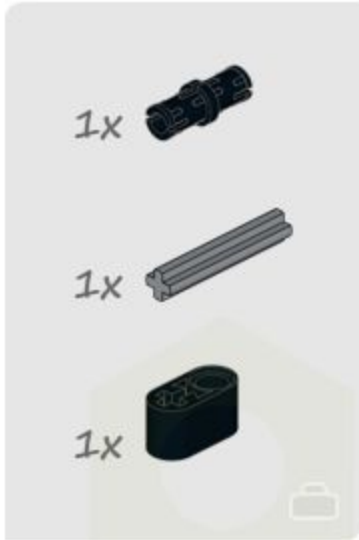


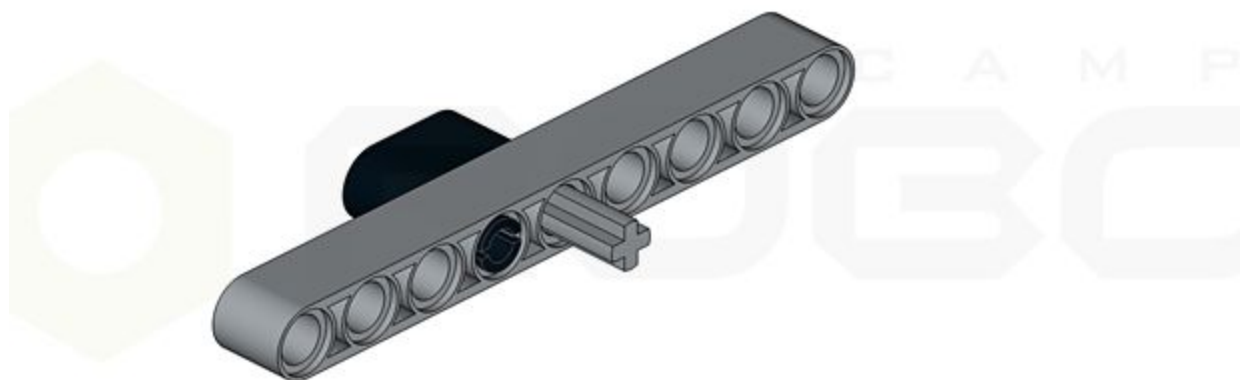
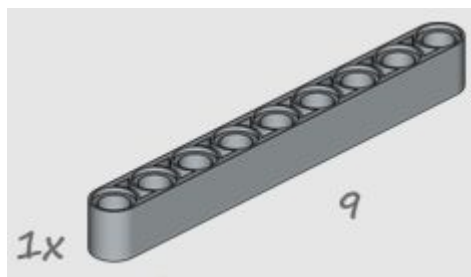


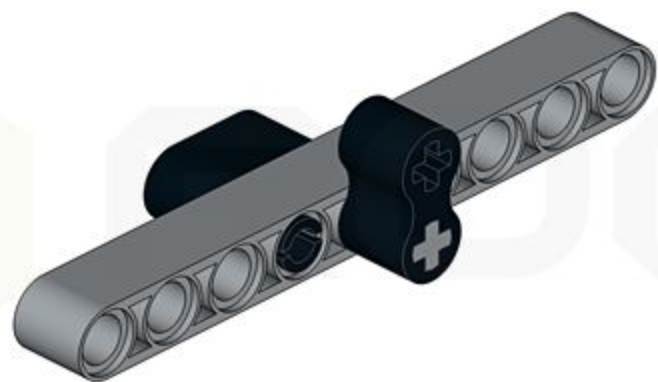
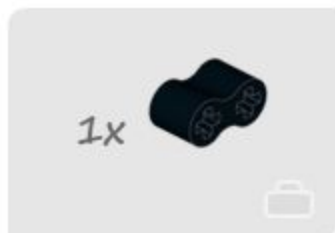


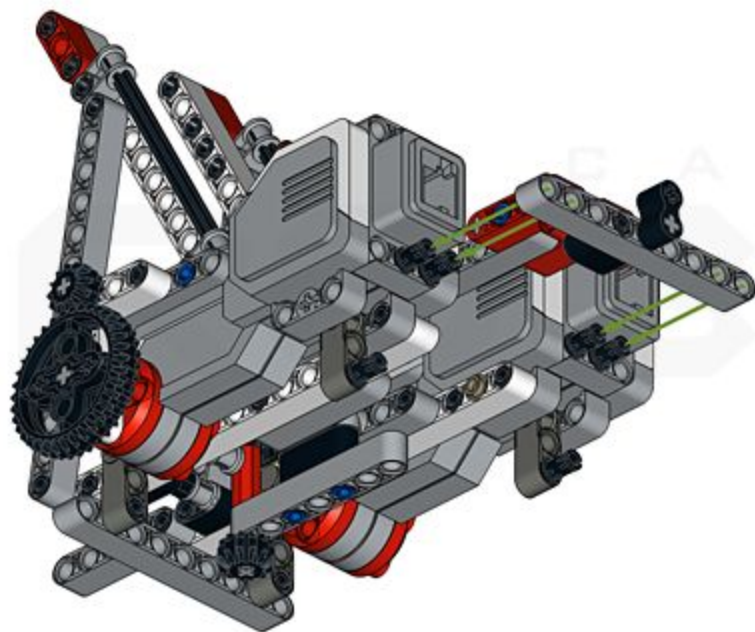


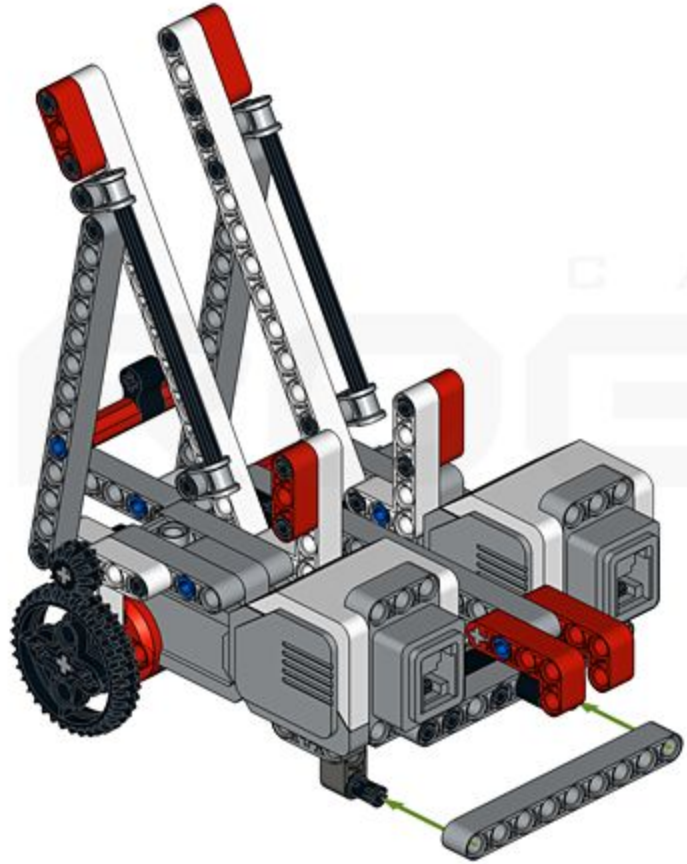
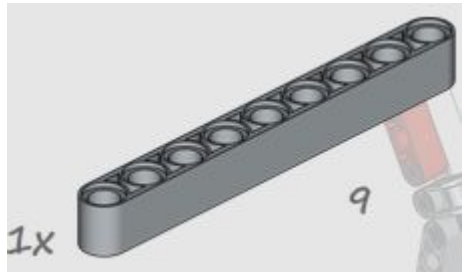
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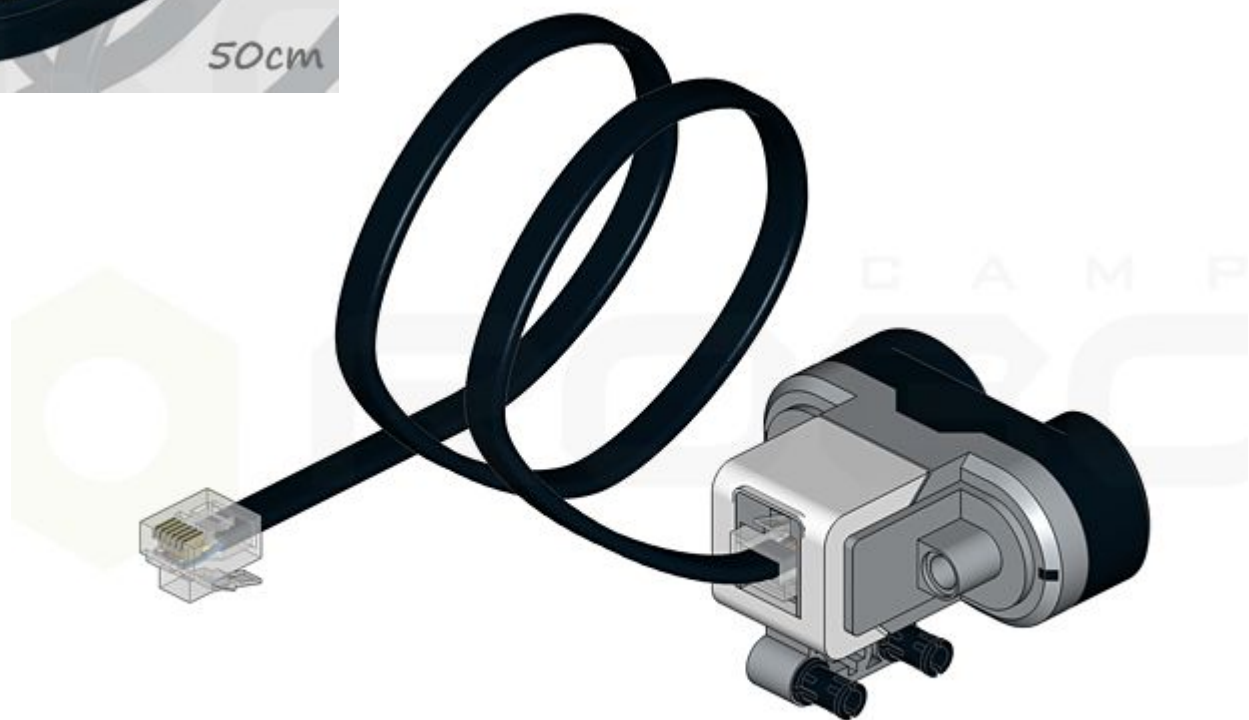


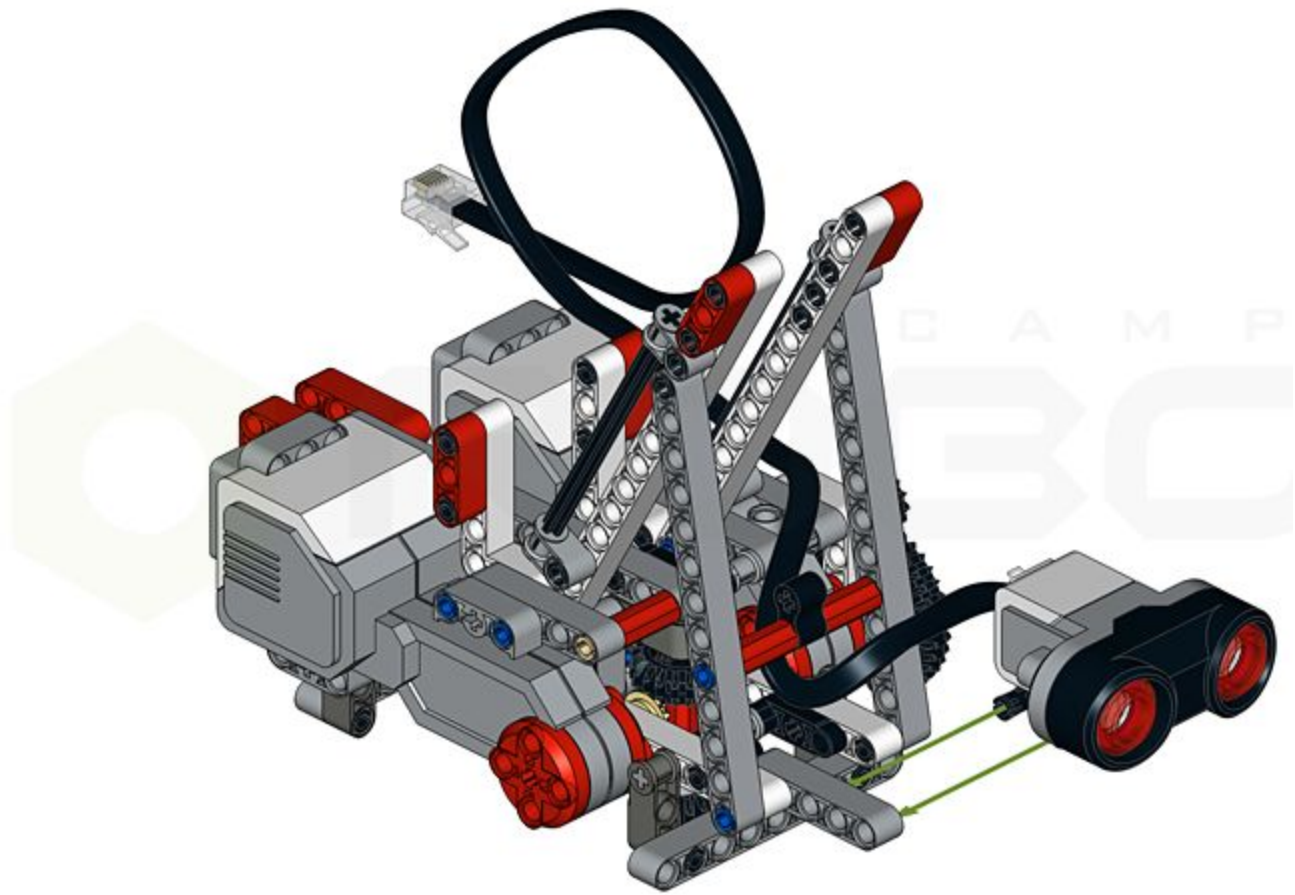


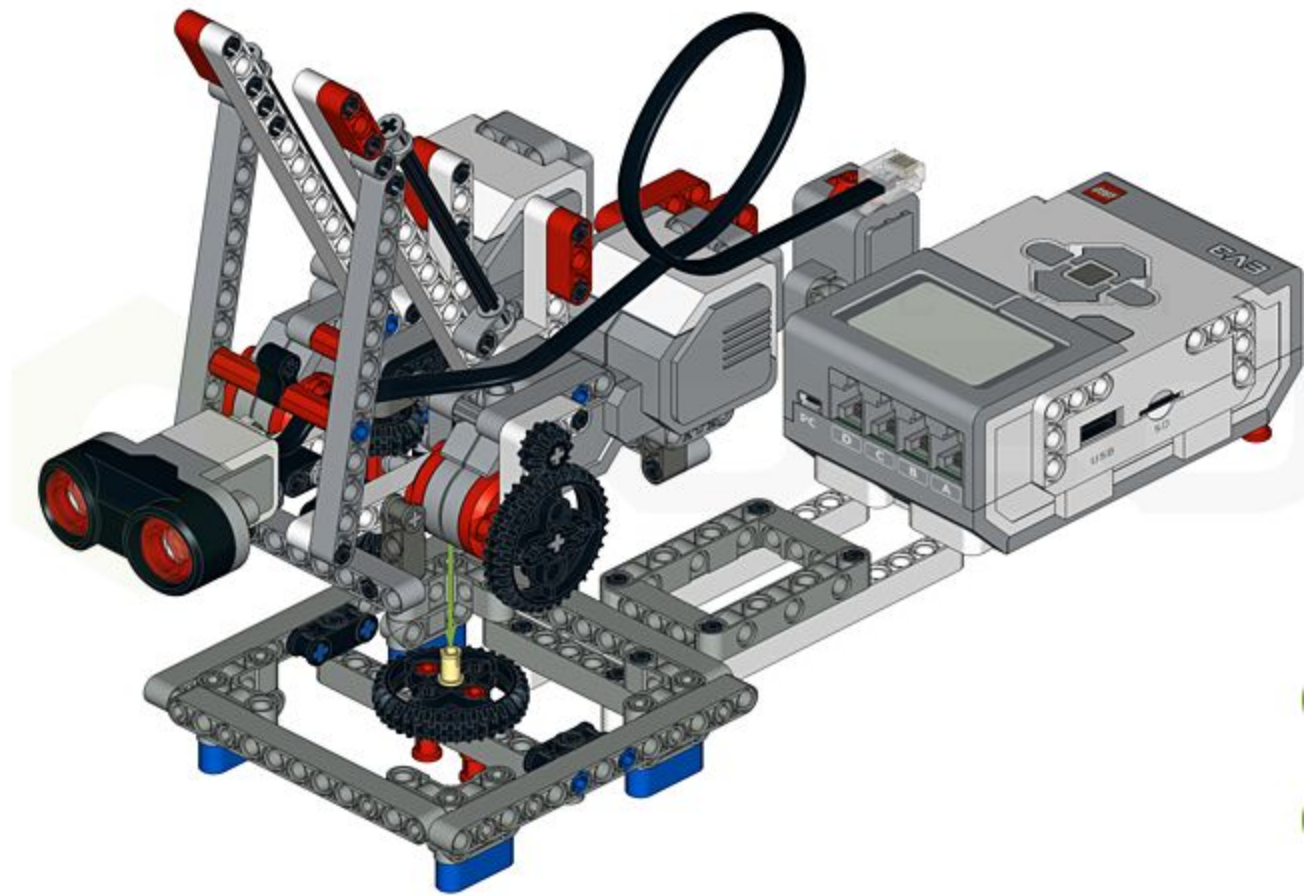


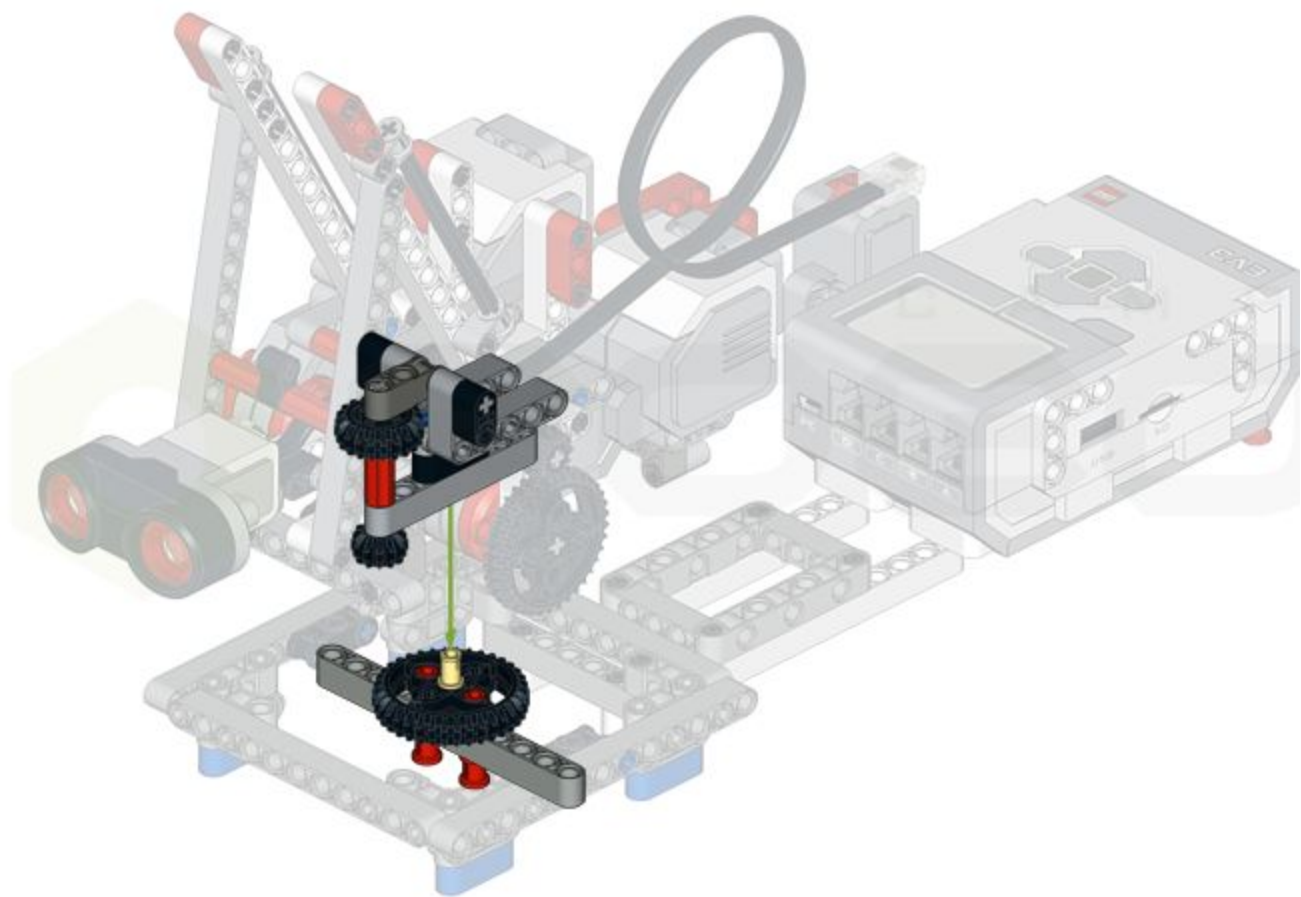


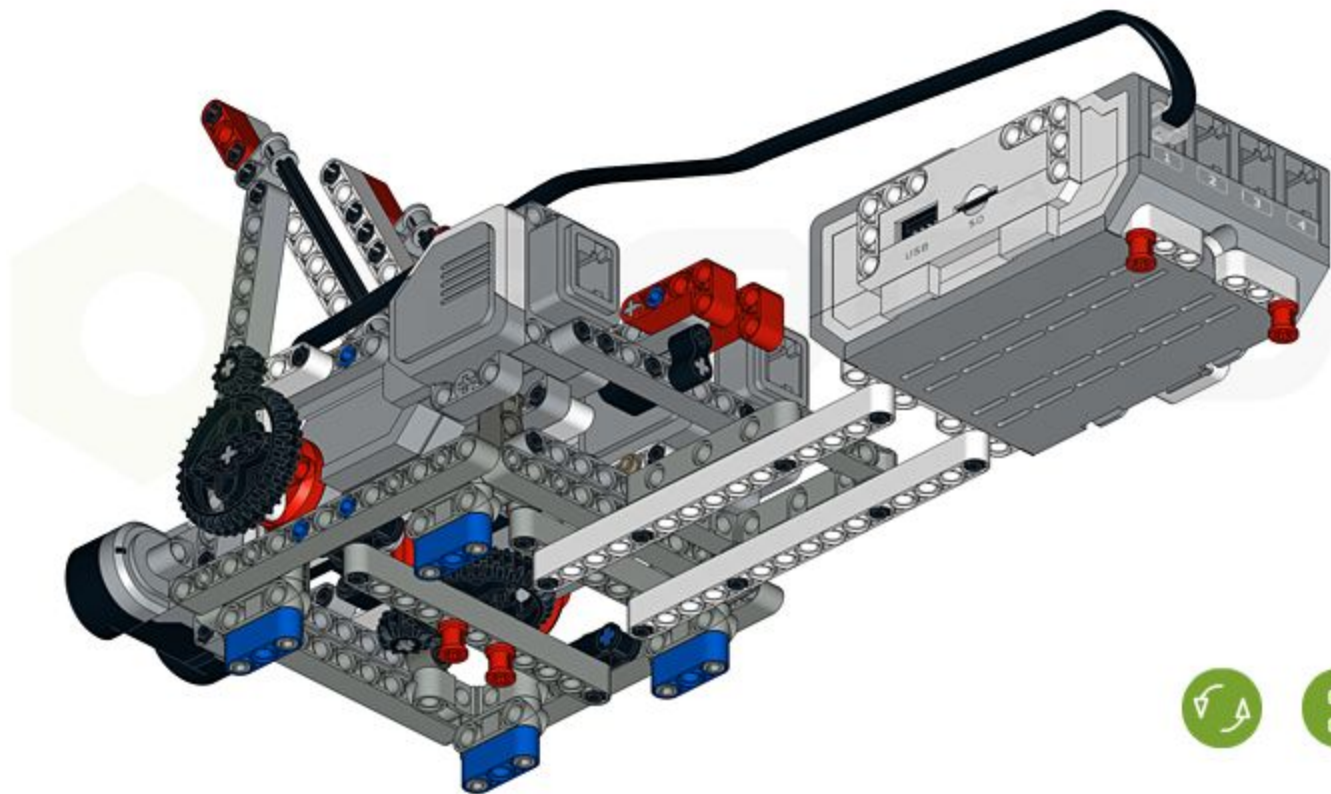


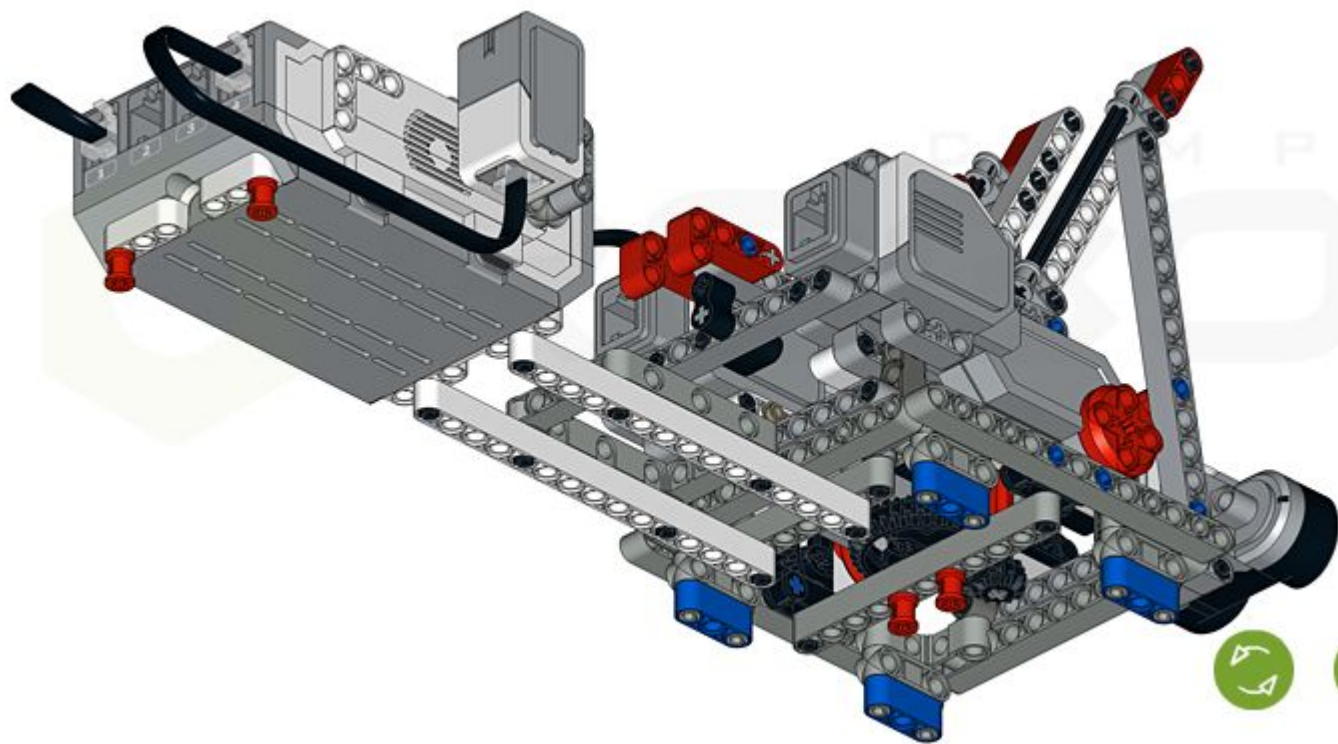


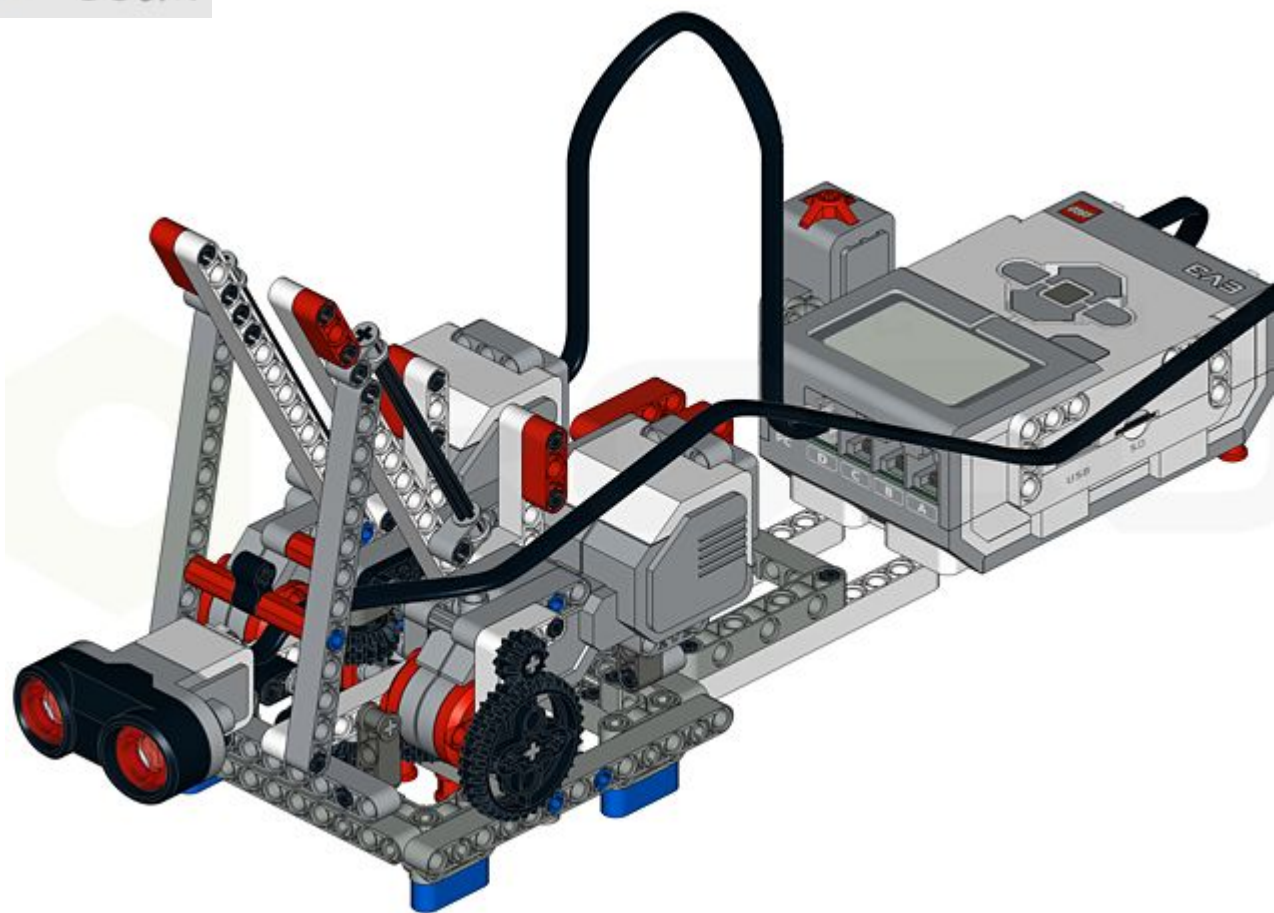


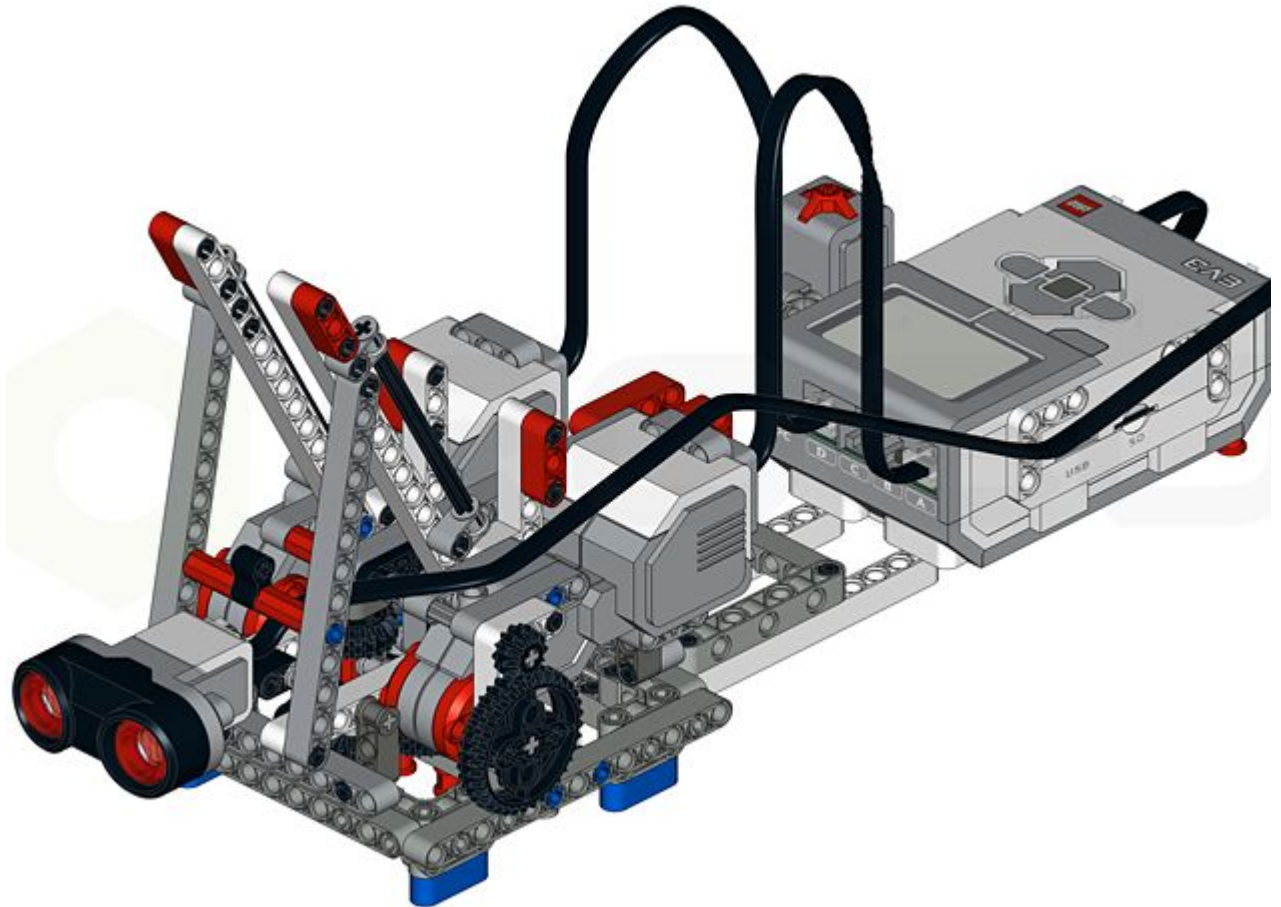


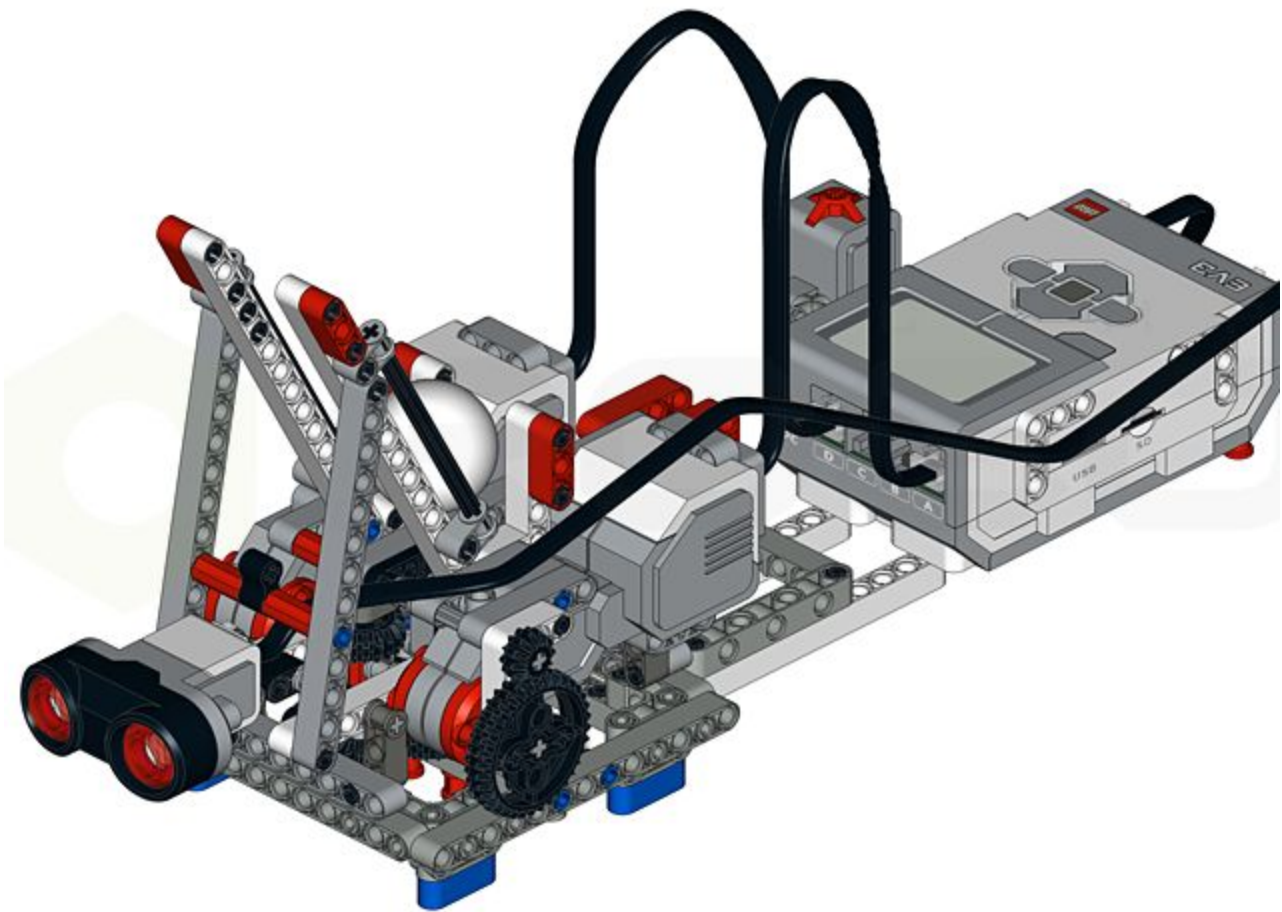












Задачі

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.

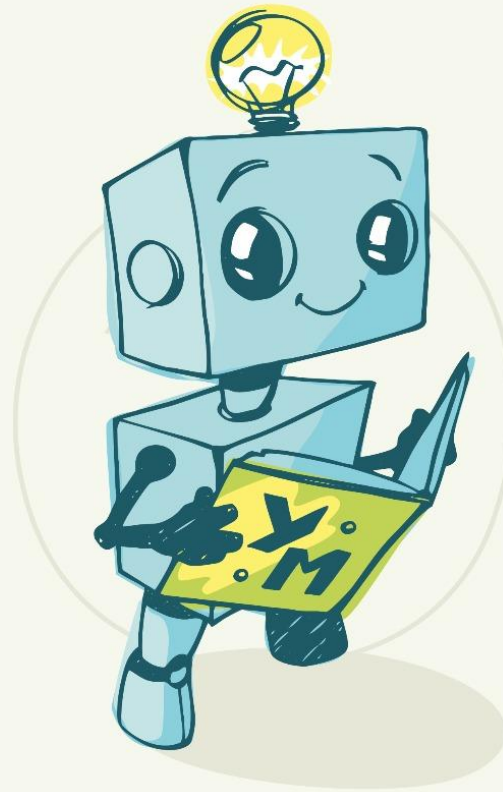
Задача 2

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



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