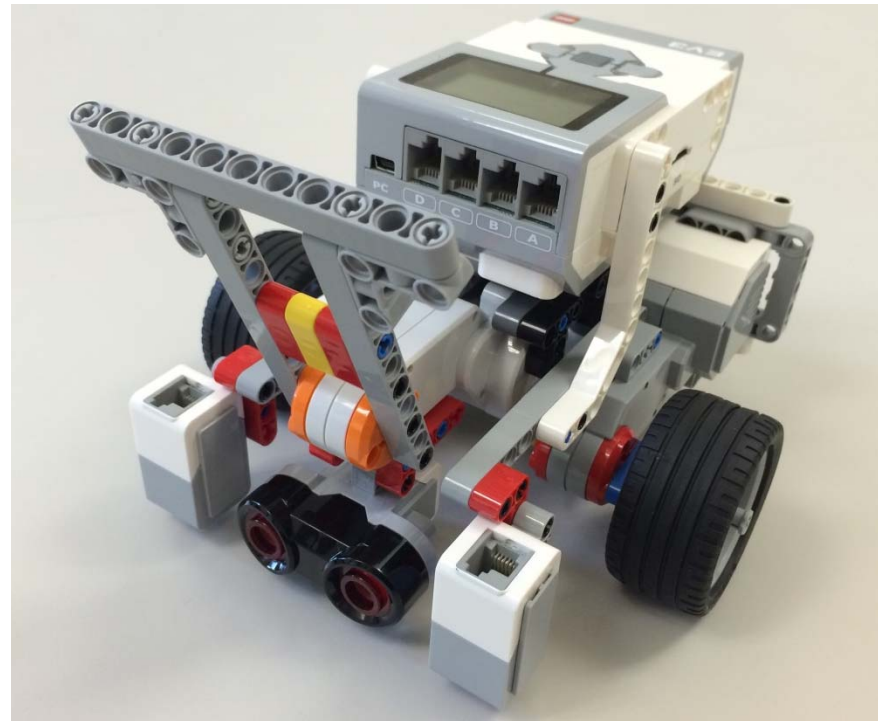


1

YoungLings FLL Starter Bot



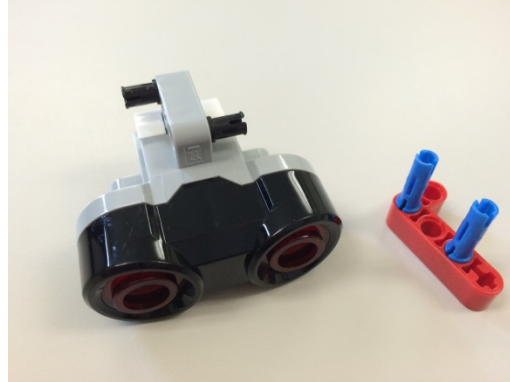
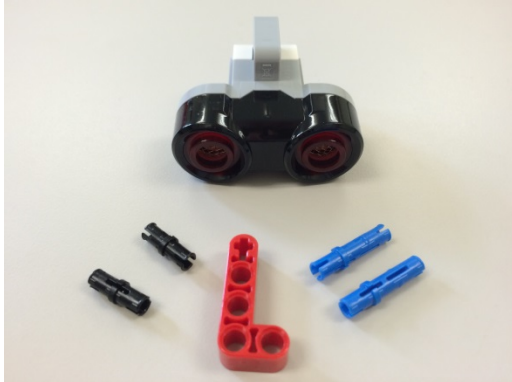
If you use this robot in competition or if this robot inspires the design of the robot you use in competition, all we ask is that you let the judges know of our team's influence on your design process. Good luck!

2

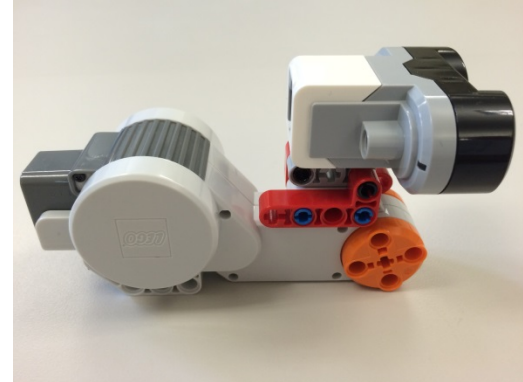
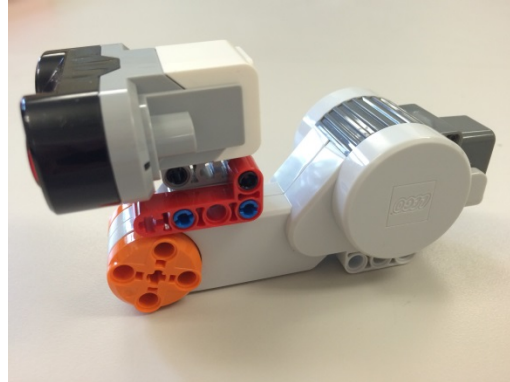
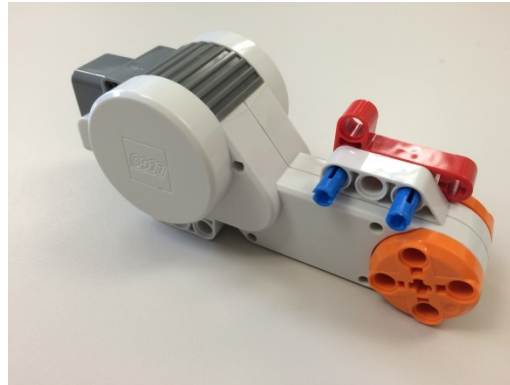
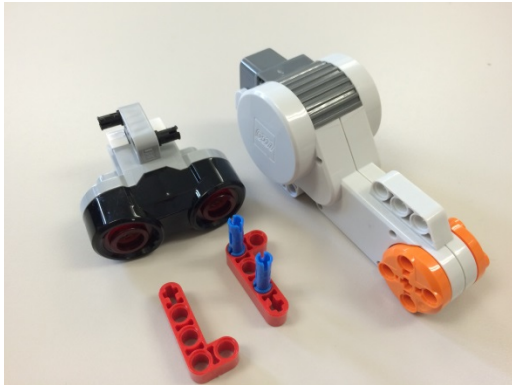


- This robot, when combined with good attachments and programming, can be used to accomplish almost all of the missions in a typical FLL Robot Game.
 - This robot design was originally inspired by the 3-motor chassis on www.nxtprograms.com.
 - The robot that is used in the EV3 software Robot Educator is also an inspiration for this design. That robot is great for learning programming but not for competing in FLL.
- This robot can be built using the EV3 Base Kit plus one NXT Interactive Servo Motor and one EV3 Color Sensor.
 - An EV3 Large Servo Motor can be substituted for the NXT Servo Motor.
 - This robot requires almost all the Black Connector Pegs in the Base Kit. You will need more of these pegs to build good attachments.
- This robot uses a permanently-attached third motor and an arm to control attachments.
- This robot includes a forward-facing ultrasonic sensor, a gyro sensor, and a downward-facing color sensor in front of each drive wheel. The three sensors on the front of the robot also make a good bumper.
- Send questions or comments to fll.younglings@gmail.com.

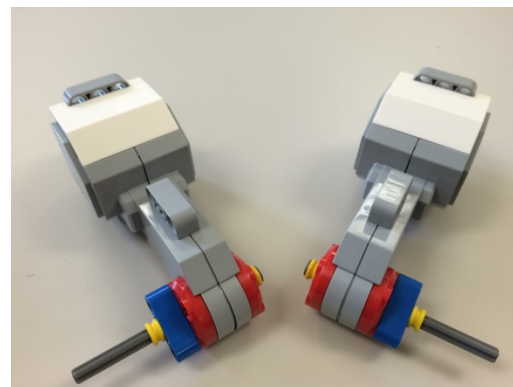
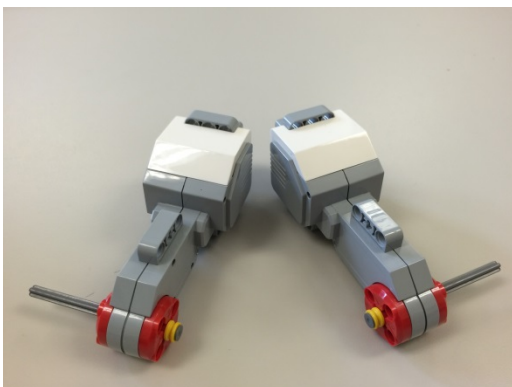
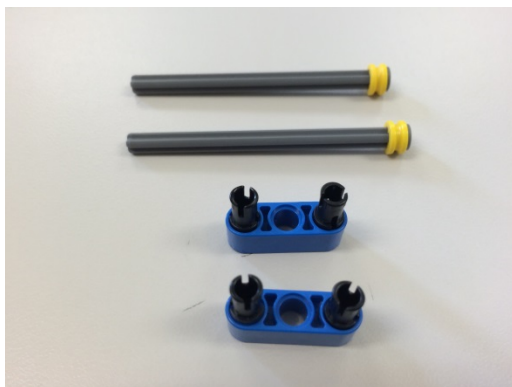
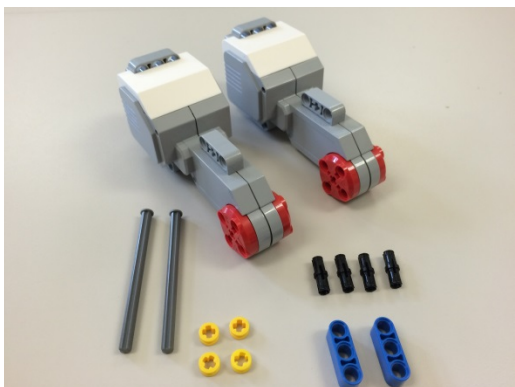
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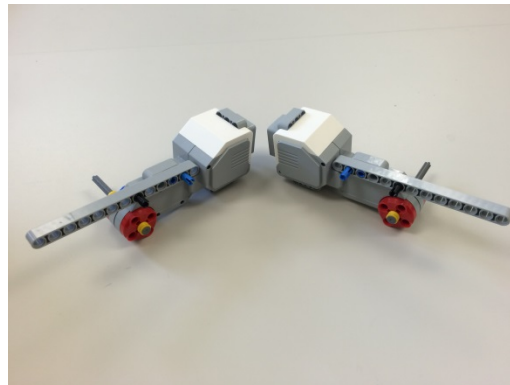
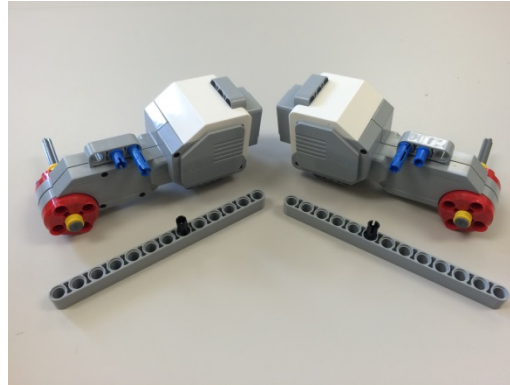
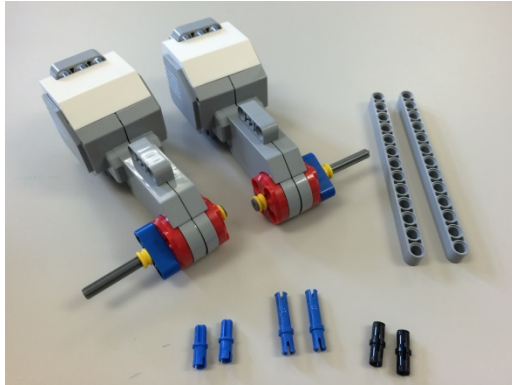
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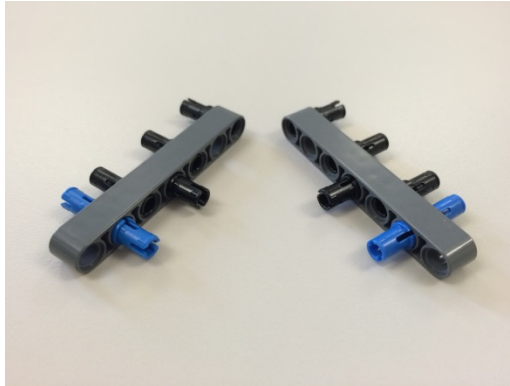
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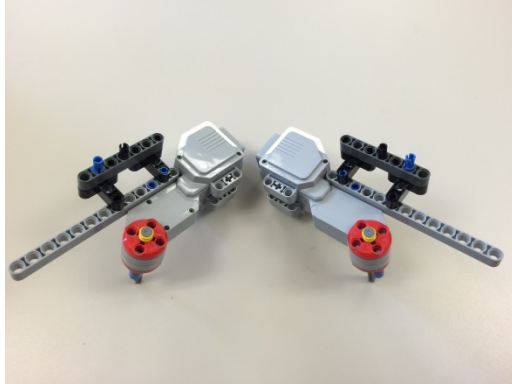
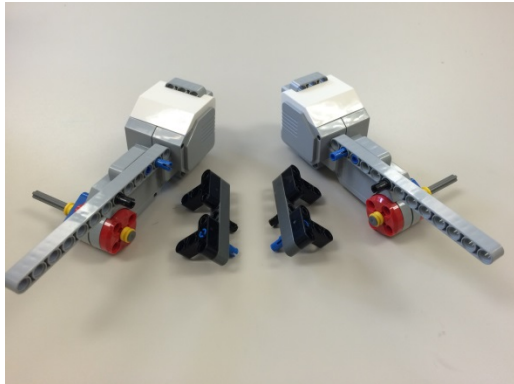
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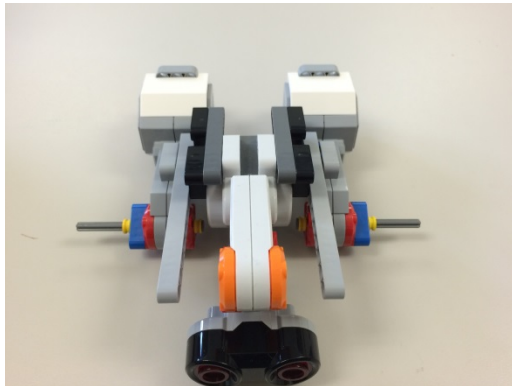
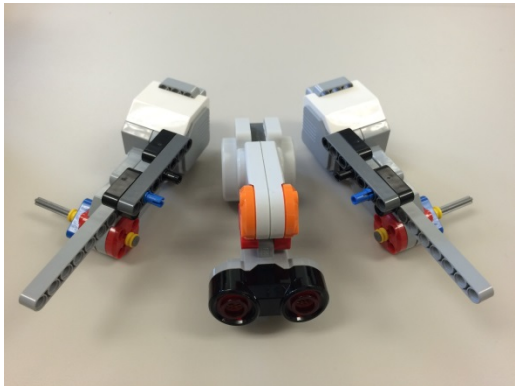
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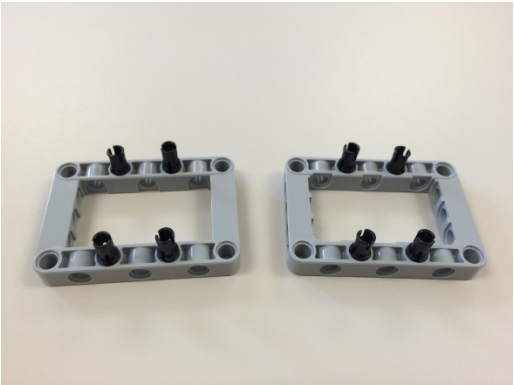
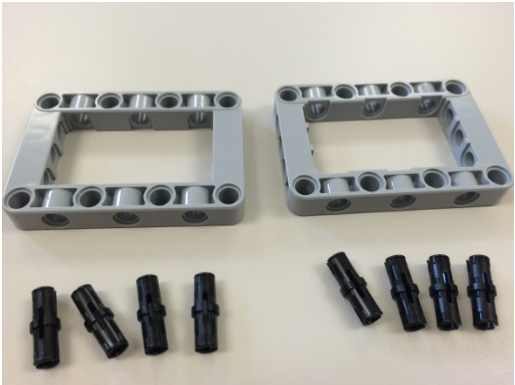
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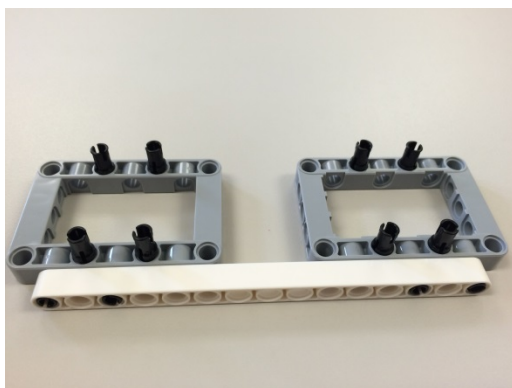
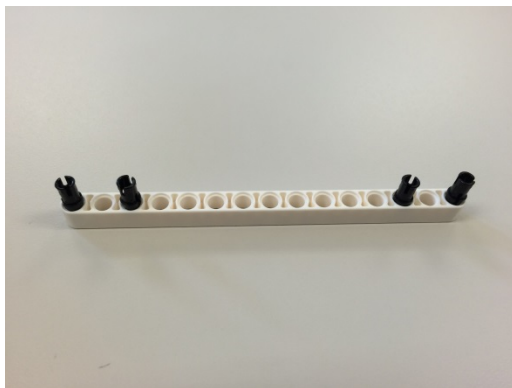
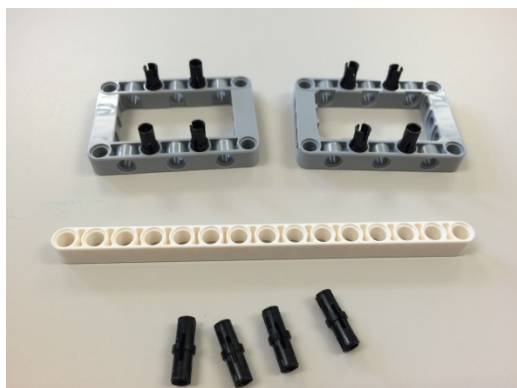
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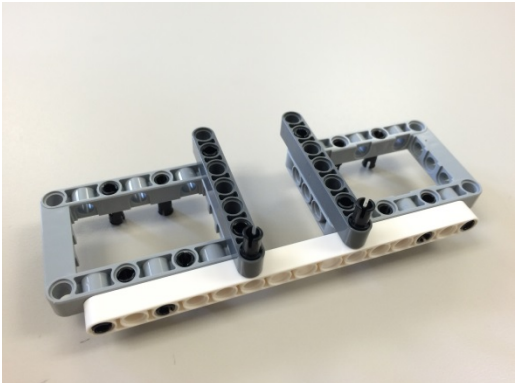
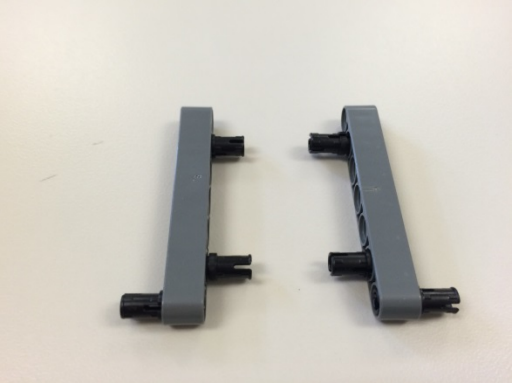
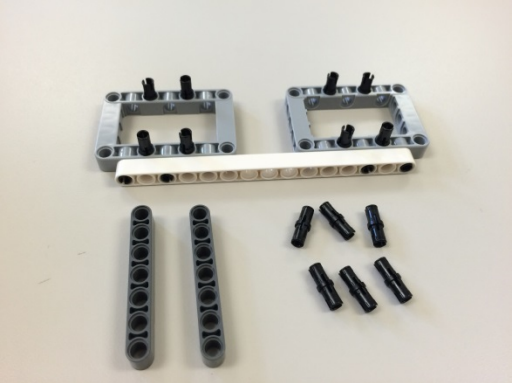
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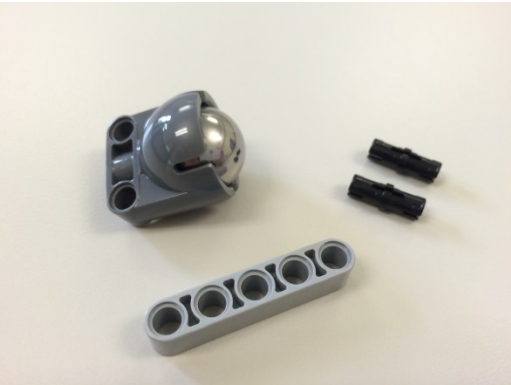
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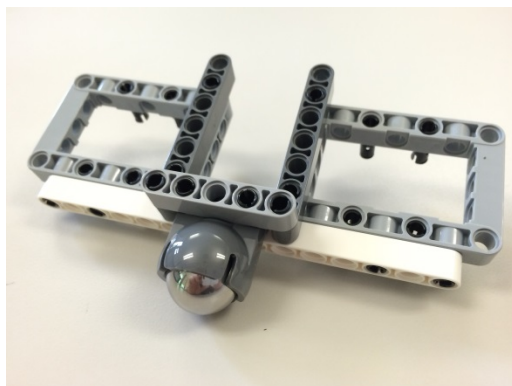
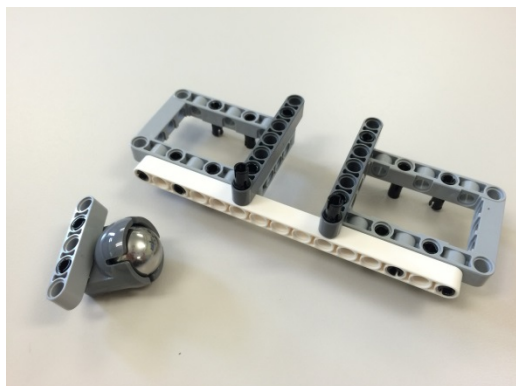
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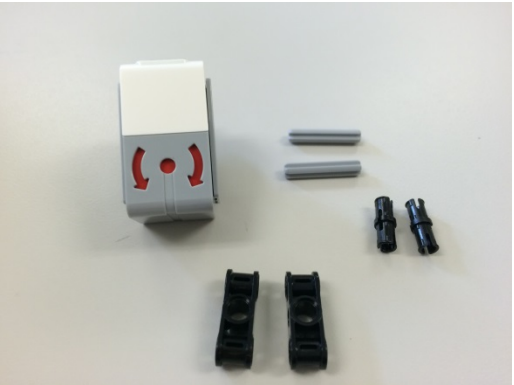
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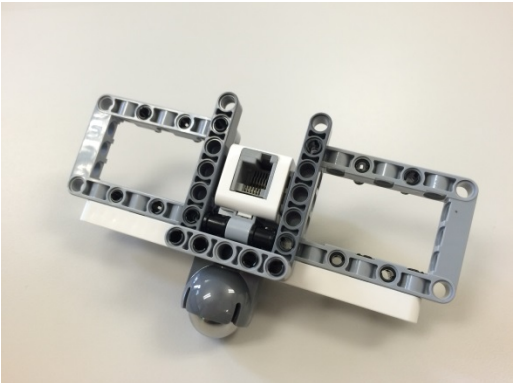
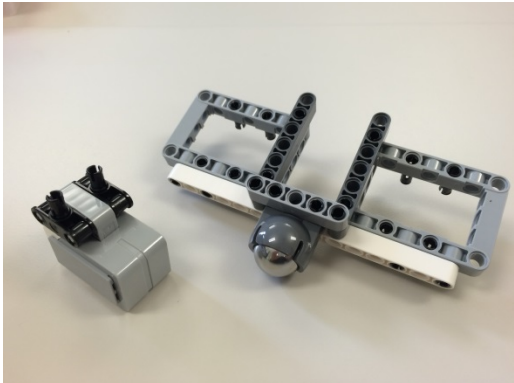
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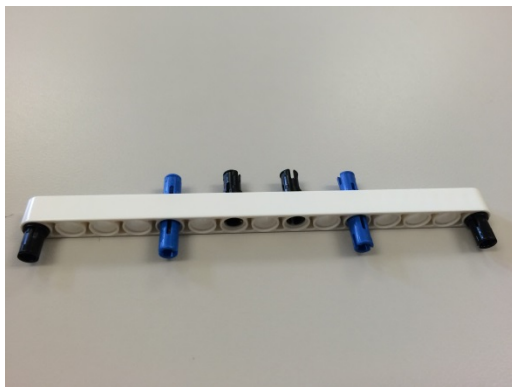
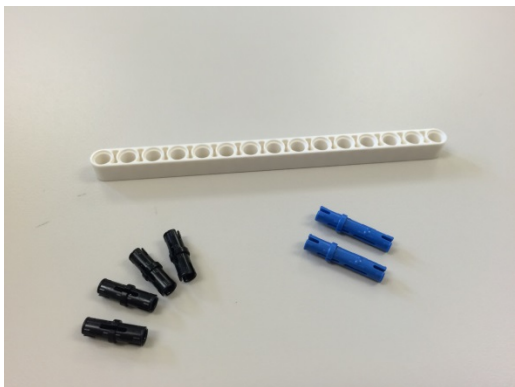
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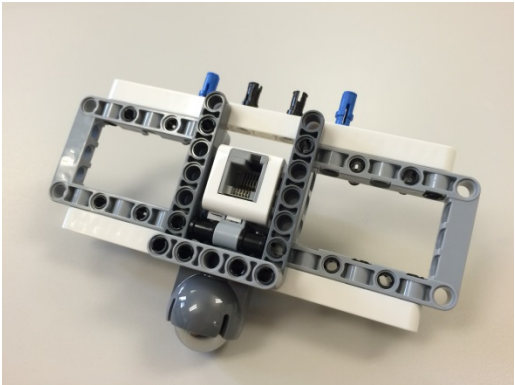
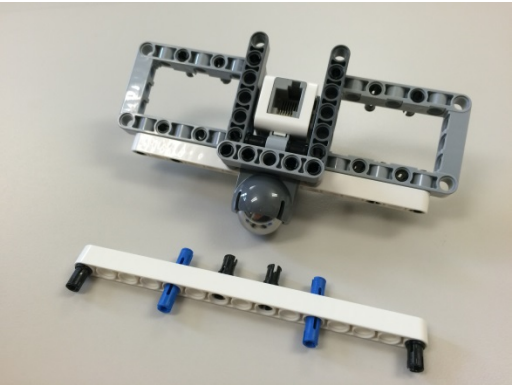
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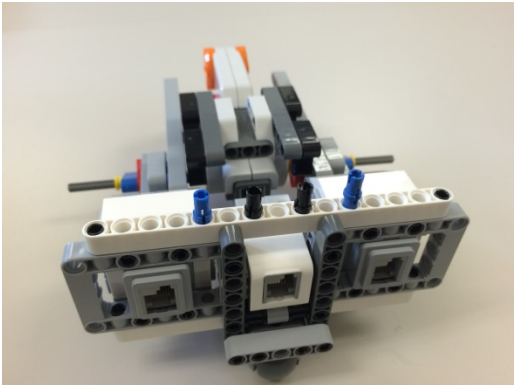
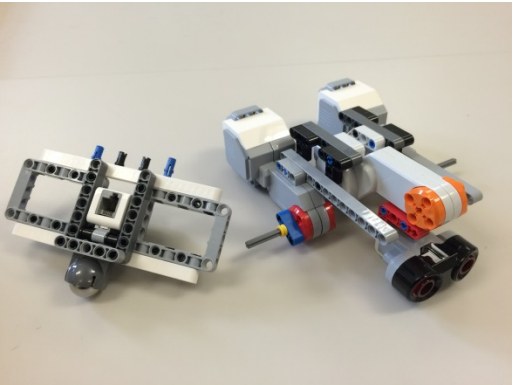
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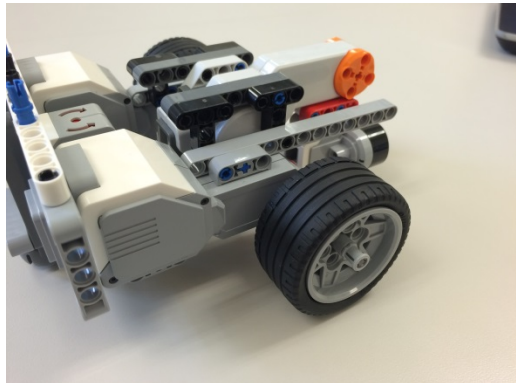
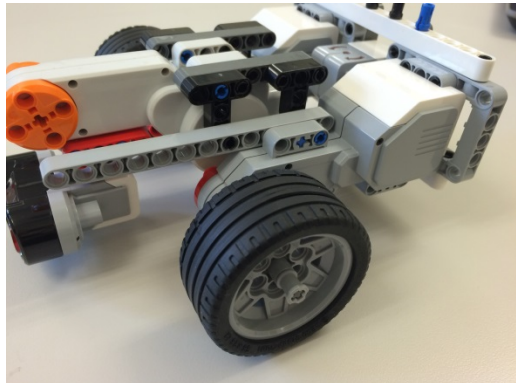
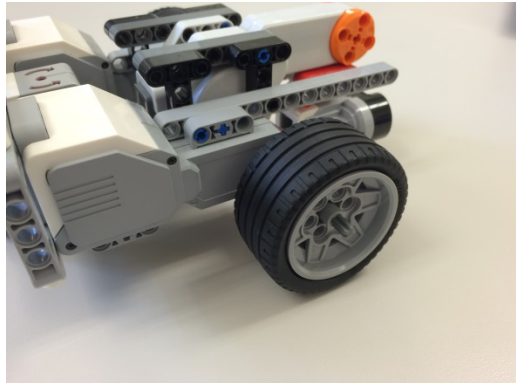
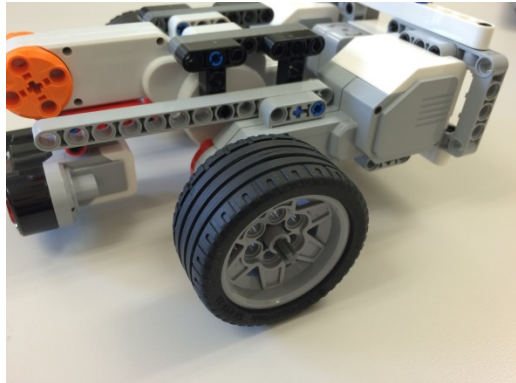
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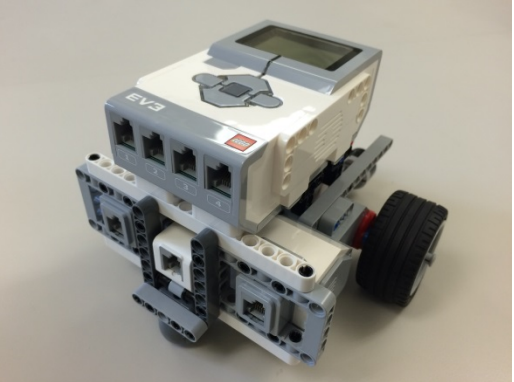
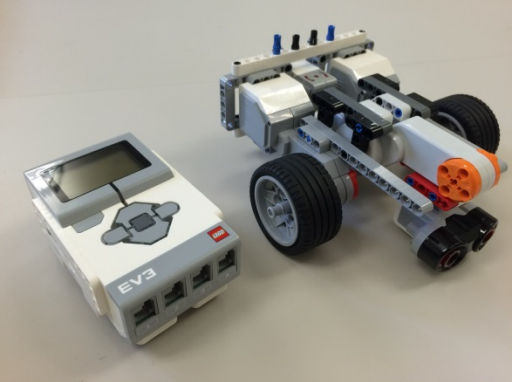
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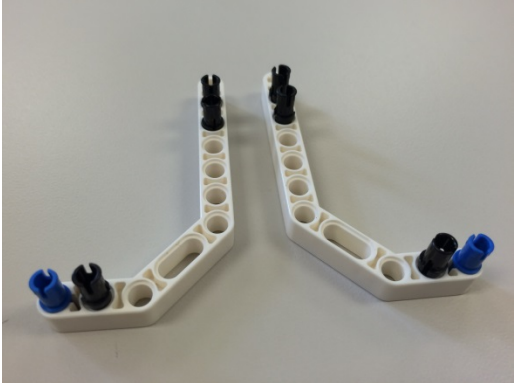
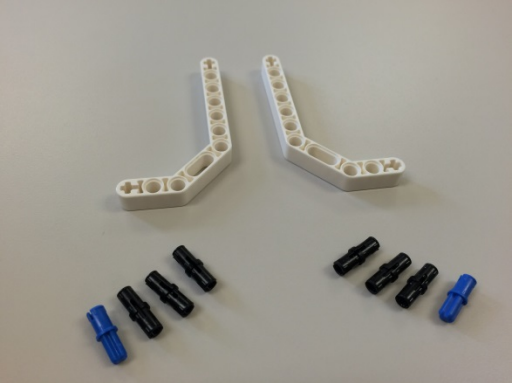
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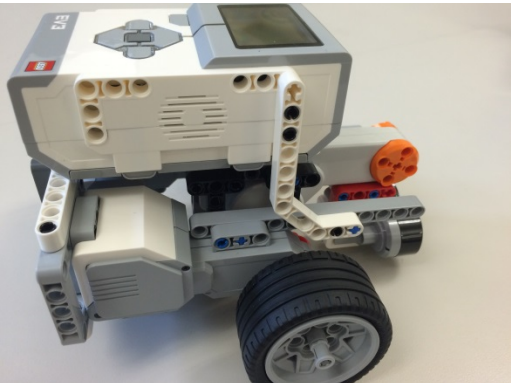
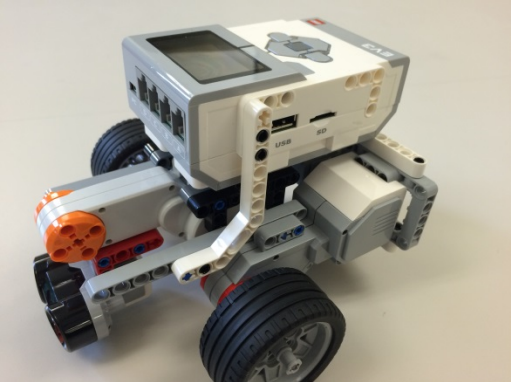
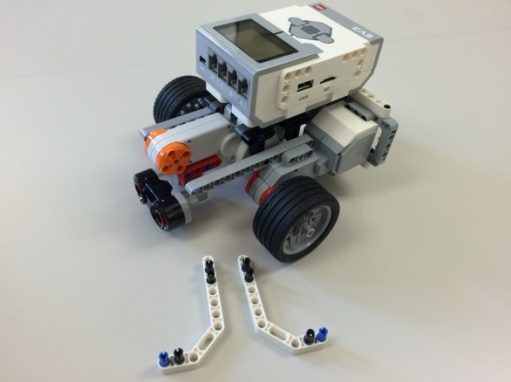
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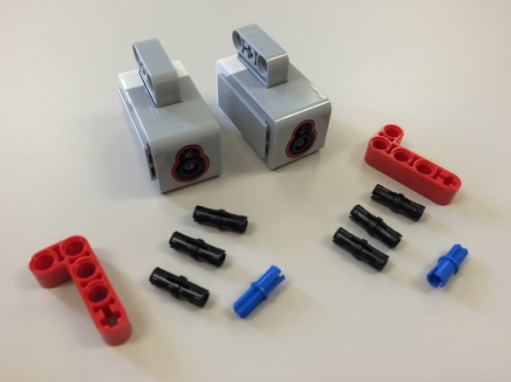
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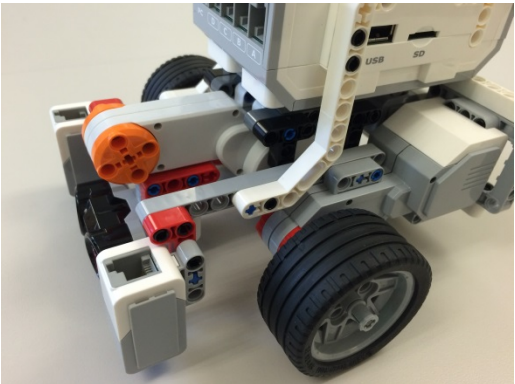
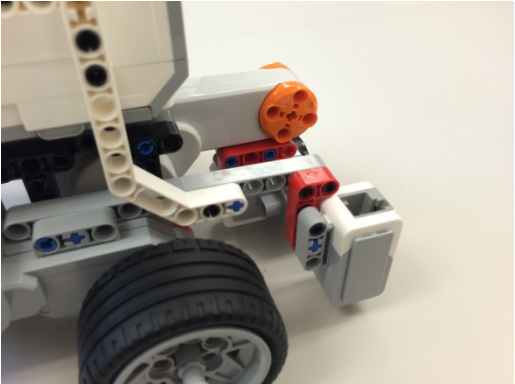
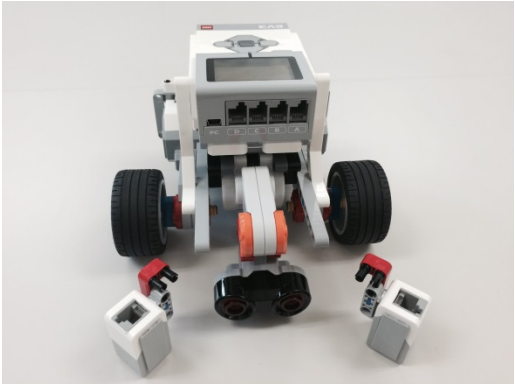
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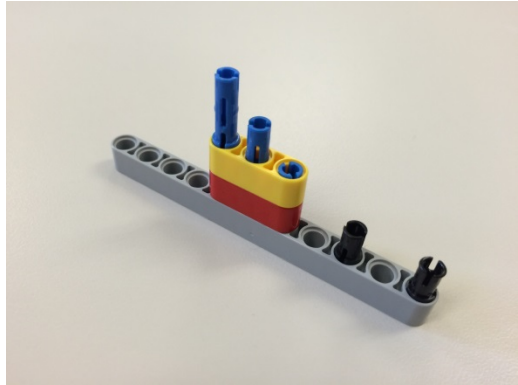
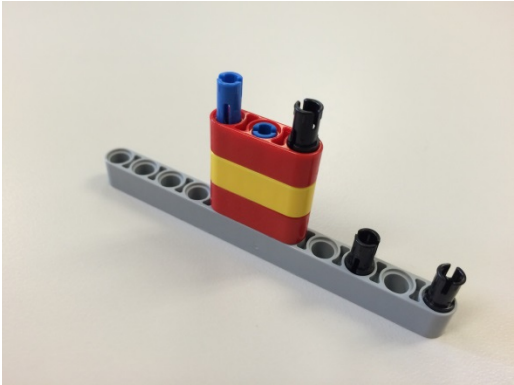
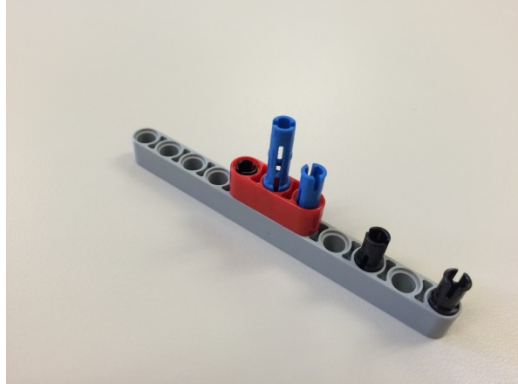
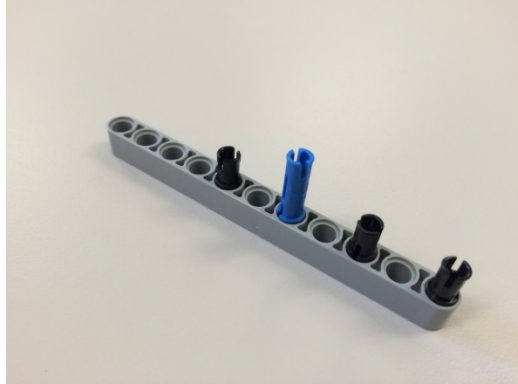
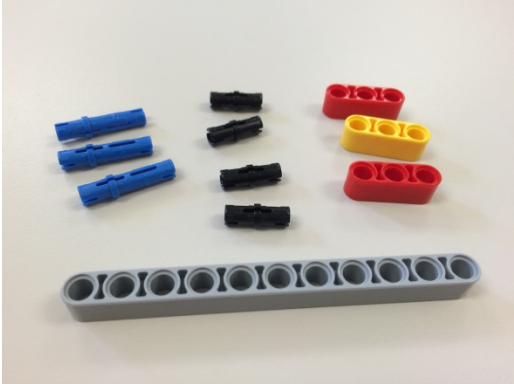
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