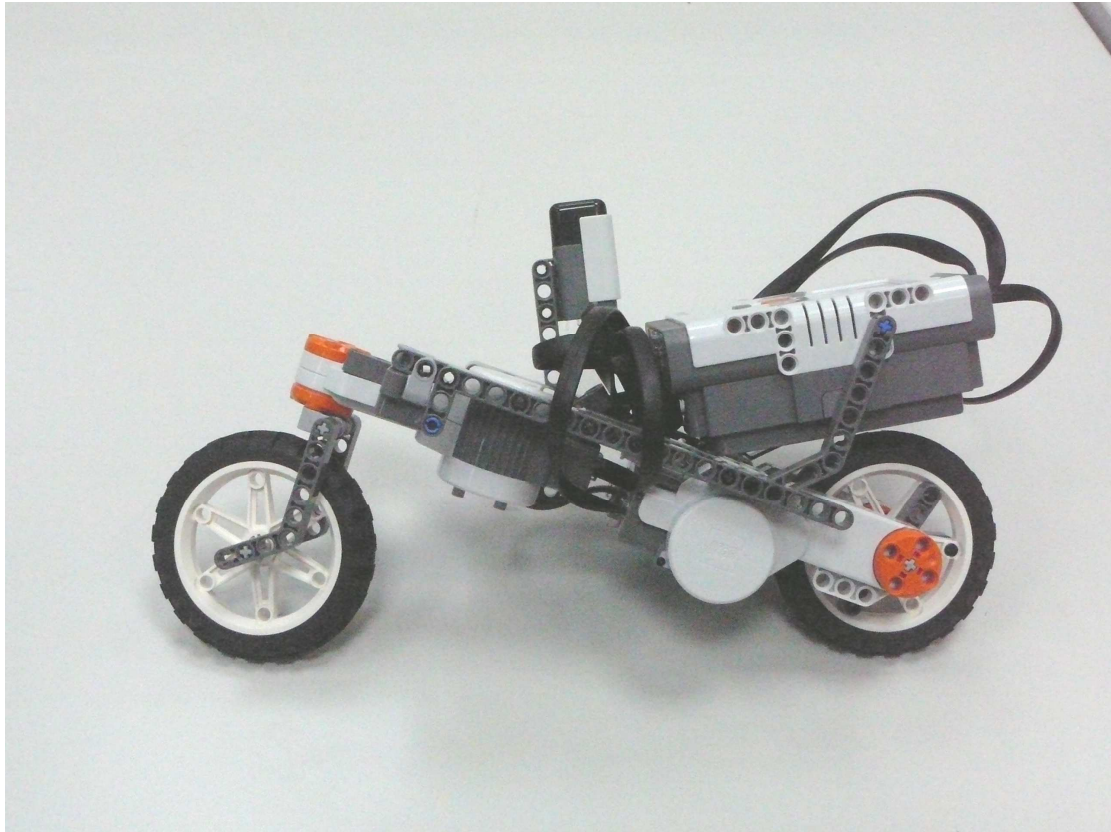


Lego NXT Bike Building Instruction



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May 20th, 2010

Delft University of Technology

1 Inhoudsopgave

| | | |
|---|-------------------------|----|
| 1 | Inhoudsopgave | 2 |
| 2 | Required Products | 3 |
| 3 | Rear Base Mount | 4 |
| 4 | Central Frame | 5 |
| 5 | Right Frame Mount | 6 |
| 6 | NXT Brick..... | 7 |
| 7 | Steering Mount..... | 8 |
| 8 | Left Frame..... | 9 |
| 9 | Front fork..... | 10 |

2 Required Products

LEGO Education Products: <http://www.legoeducation.com/store/>

LEGO MINDSTORMS Education NXT Base Set
Product ID: W979797



Education Resource Set
Product ID: W979648



AC Adapter
Product ID: W979833



Bluetooth Dongle
Product ID: W979847



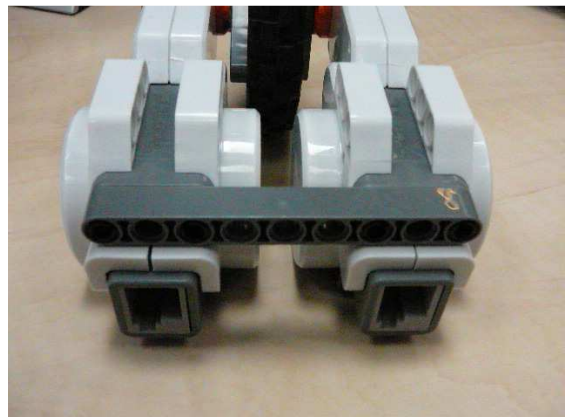
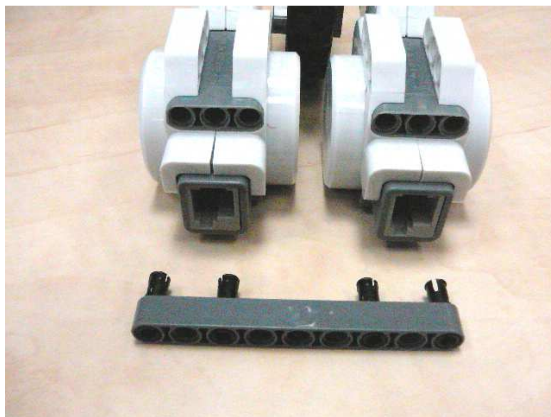
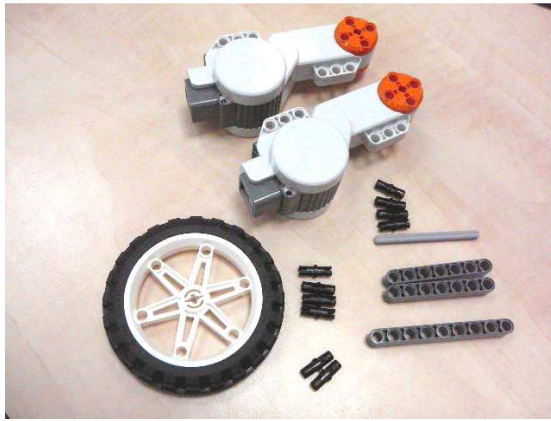
HiTechnic Product:
<http://www.hitechnic.com/>
NXT Gyro Sensor (Model: NGY1044)



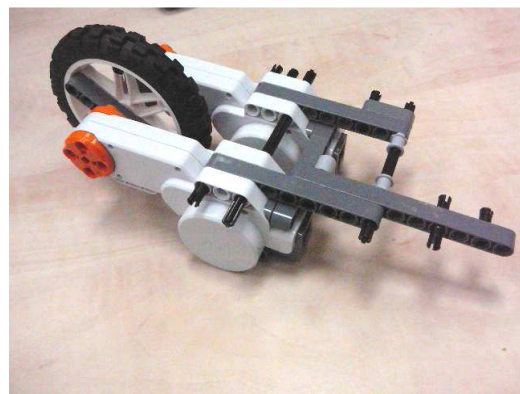
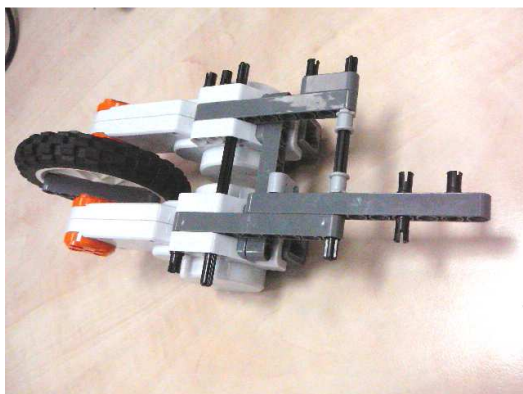
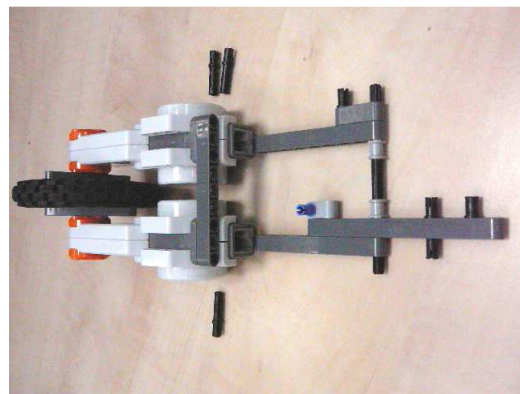
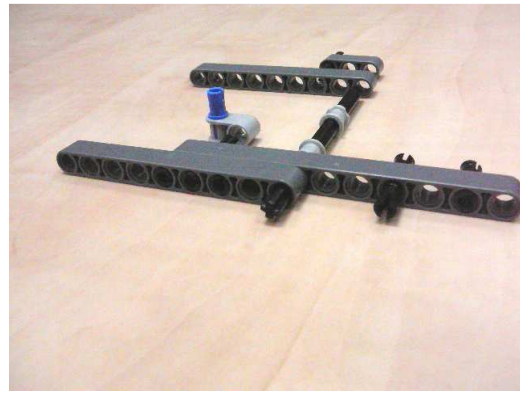
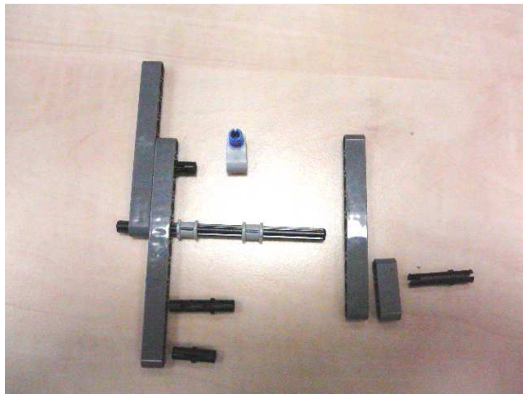
Third party product:
PC HID GamePad with analog inputs, used for
R/C control via Bluetooth



3 Rear Base Mount

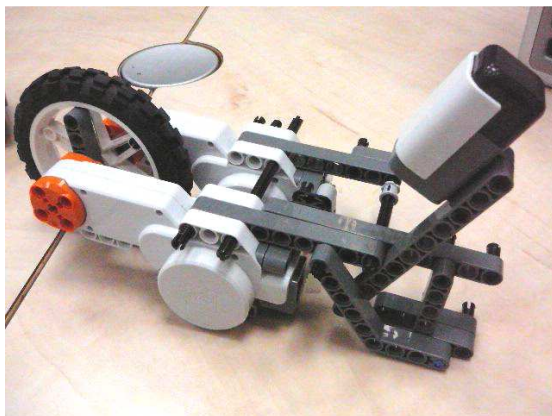
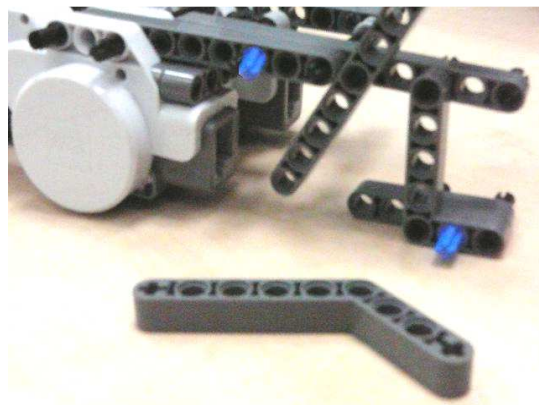
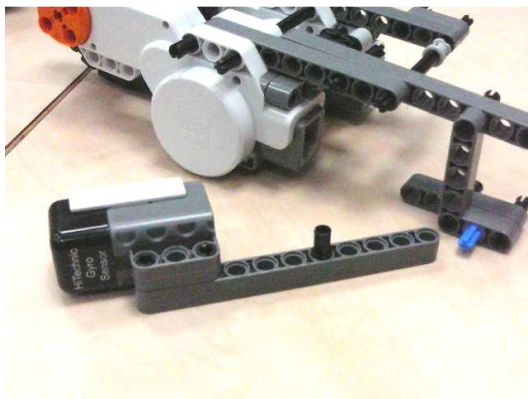
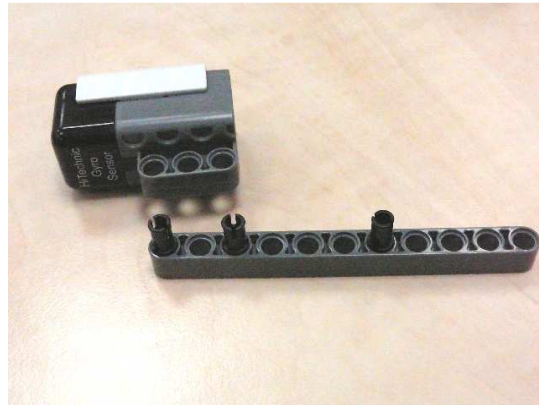
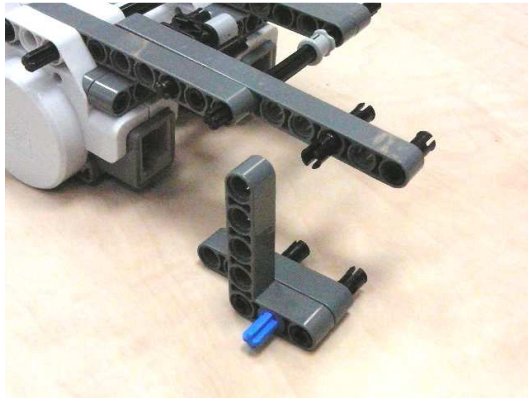
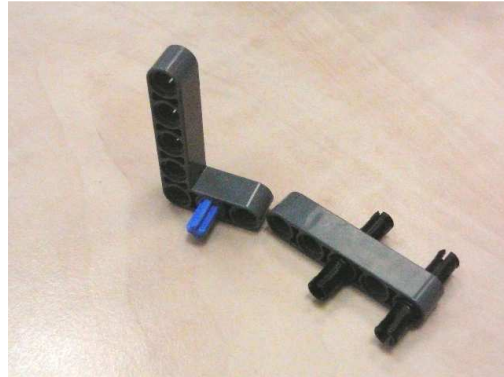
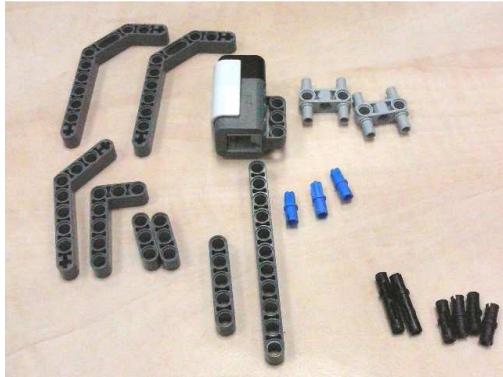


4 Central Frame



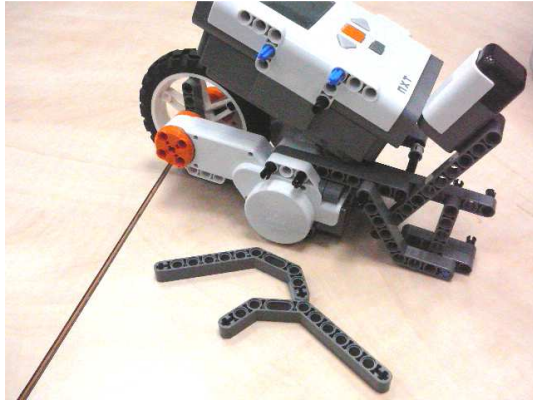
1. First connect the blue connector to the bar on the servo motors!!!
2. The rod going through the servo motors was not in the first picture, but added now.

5 Right Frame Mount

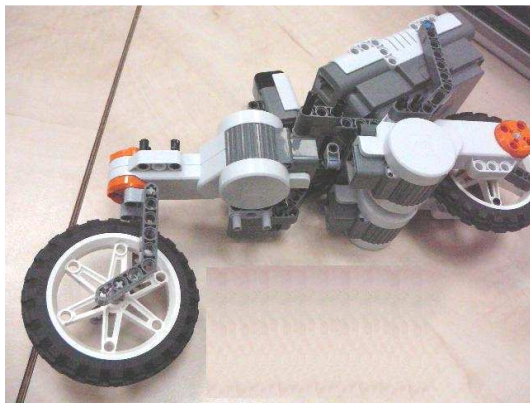


The most upper blue connector in the picture above must be a length 6 rod, to later connect the NXT brick!

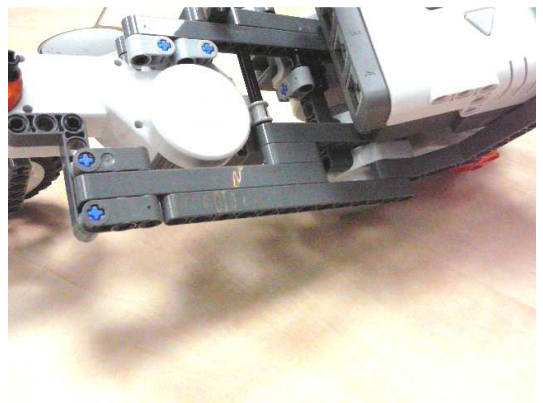
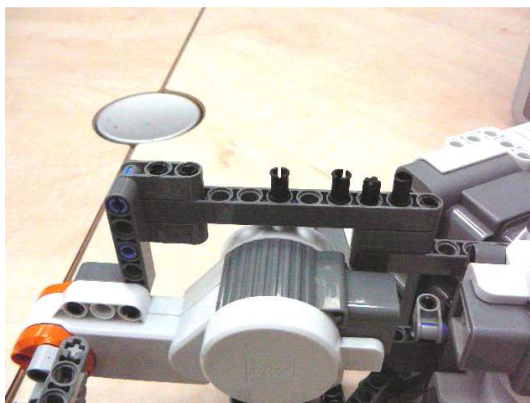
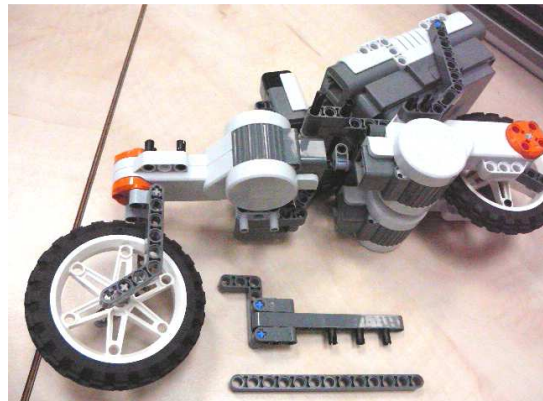
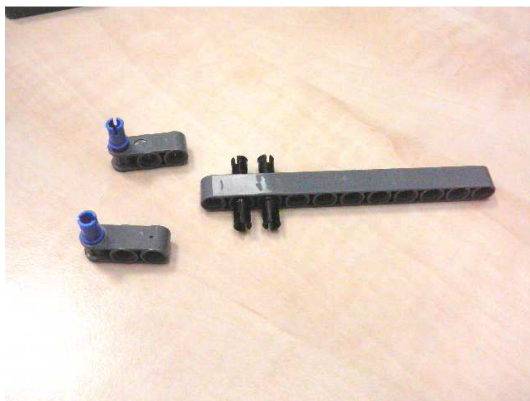
6 NXT Brick



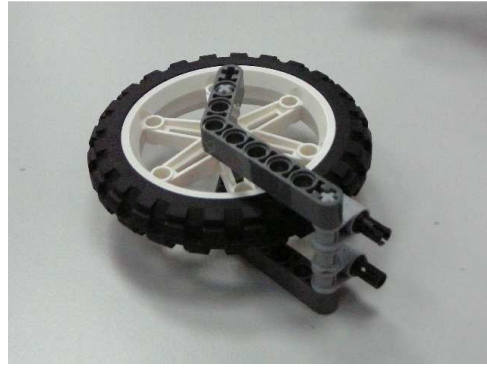
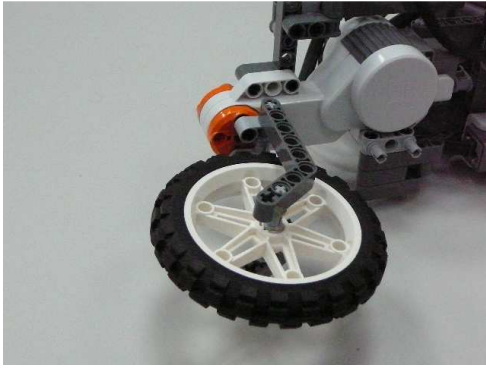
7 Steering Mount



8 Left Frame



9 Front fork



Make sure the wheel can turn freely! (shaft turns in the second hole of the fork)