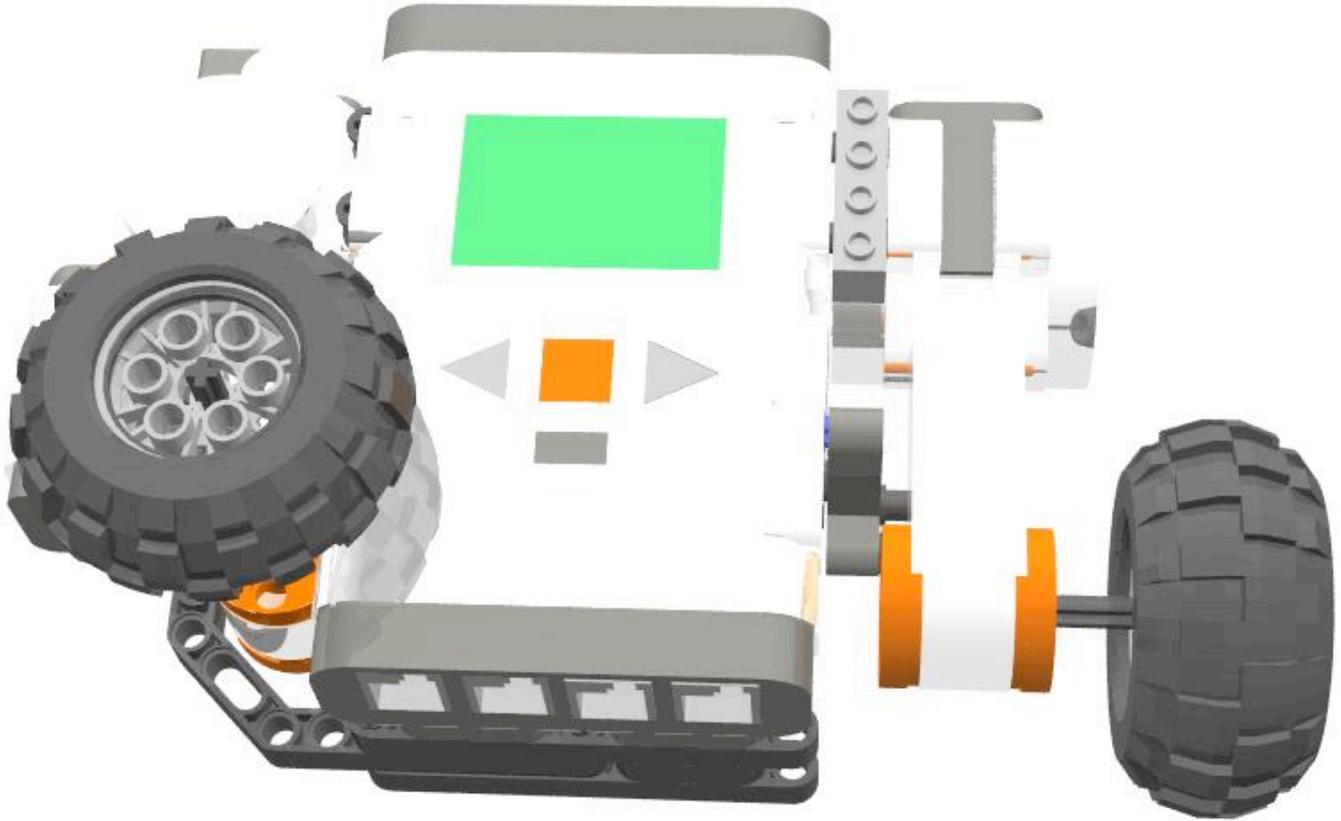


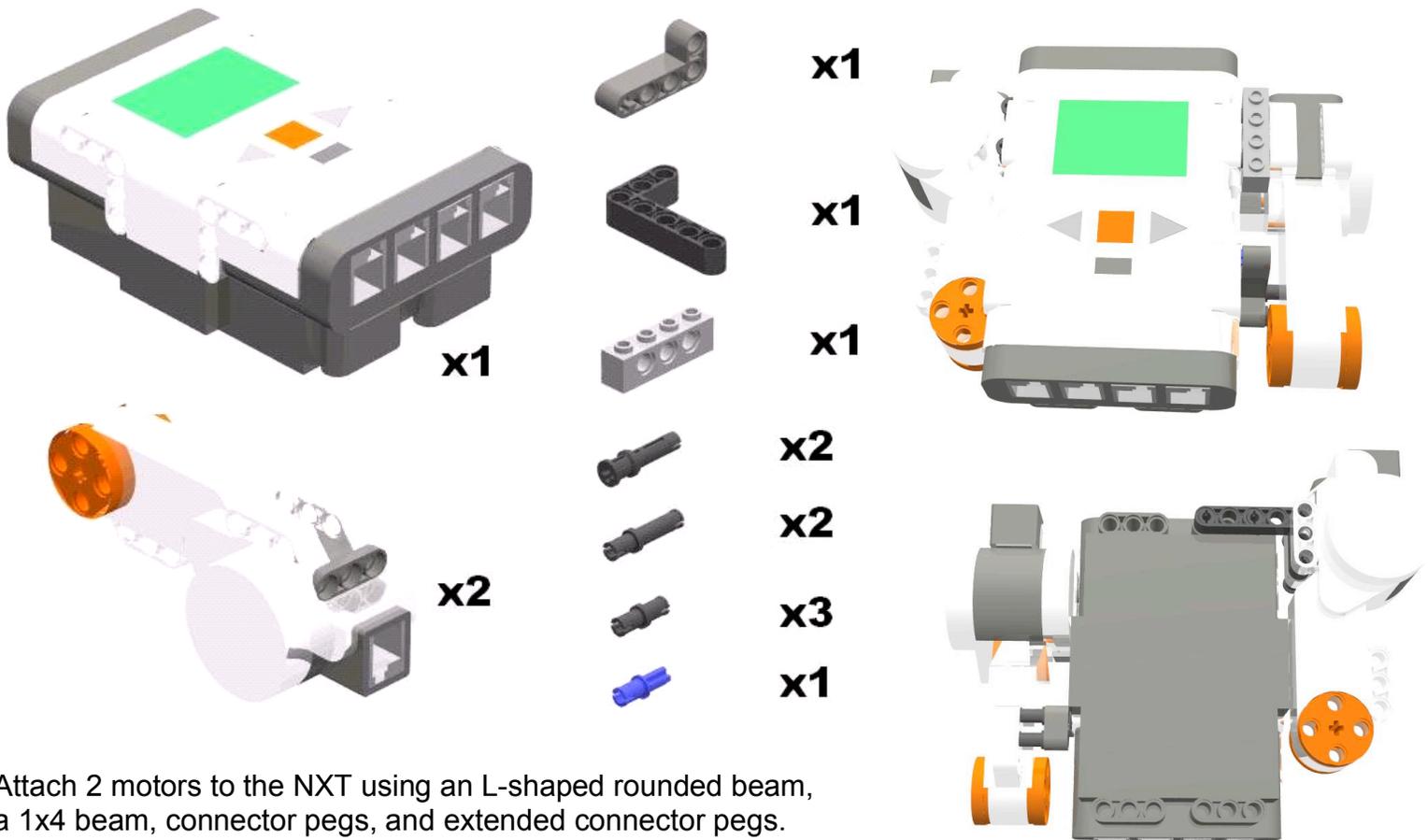
NXT-a-Sketch



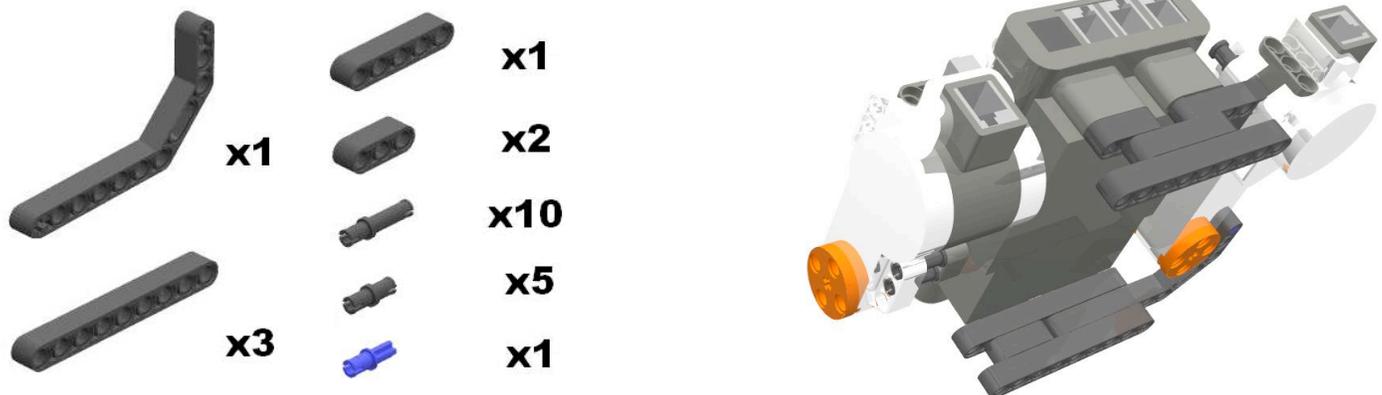
Model Description:

Using the screen and drawing function of the NXT, build an etch-a-sketch. A 2-motor NXT design allows the user to draw lines vertically and horizontally on the screen. To erase the screen, instead of shaking the etch-a-sketch, all the user has to do is press the touch sensor to restart the program.

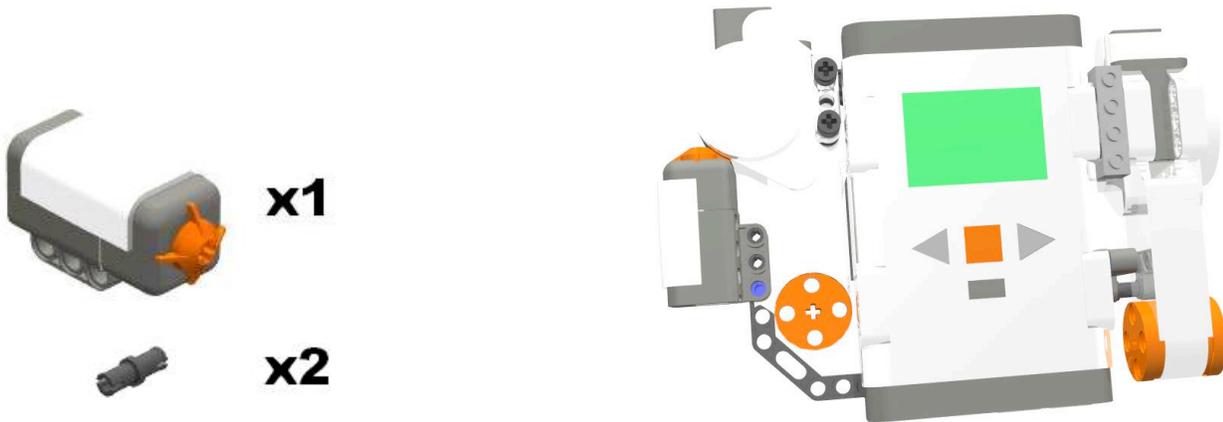
Step# 1



Step# 2

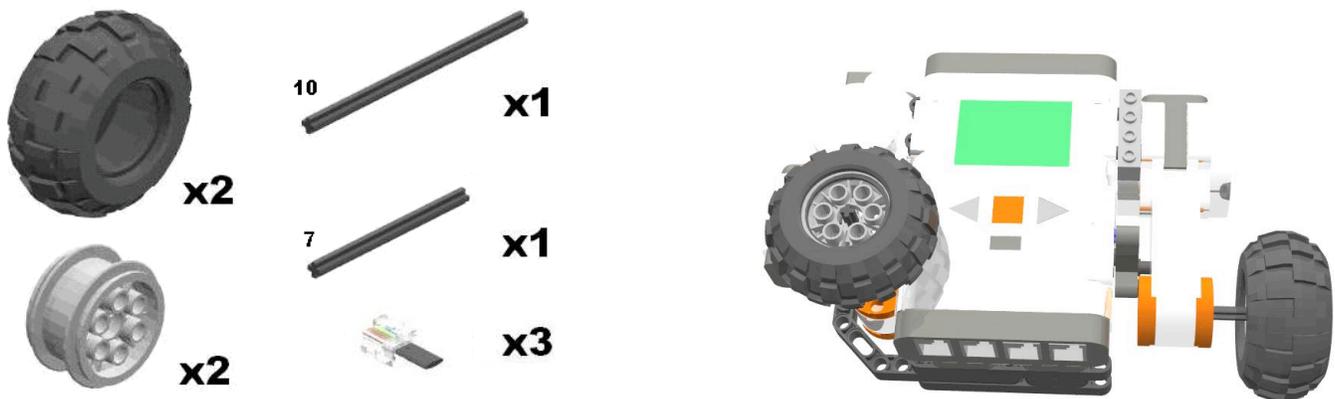


Step# 3



Attach a touch sensor to the outside of the motor. Wire the touch sensor to input Port 1 on the NXT.

Step# 4



Attach 2 wheels to the motors using a 7- and 10-axle. Wire the motors to the outputs on the NXT. Wire the horizontal (X) motor (on the left of the NXT) to Port B and wire the vertical (Y) motor to Port A.