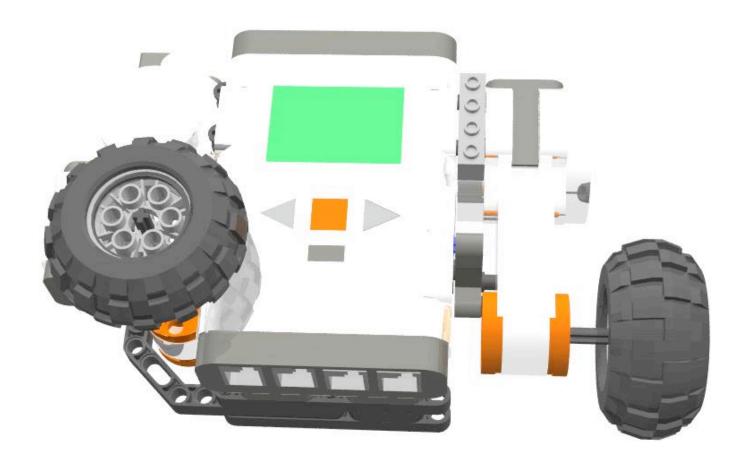
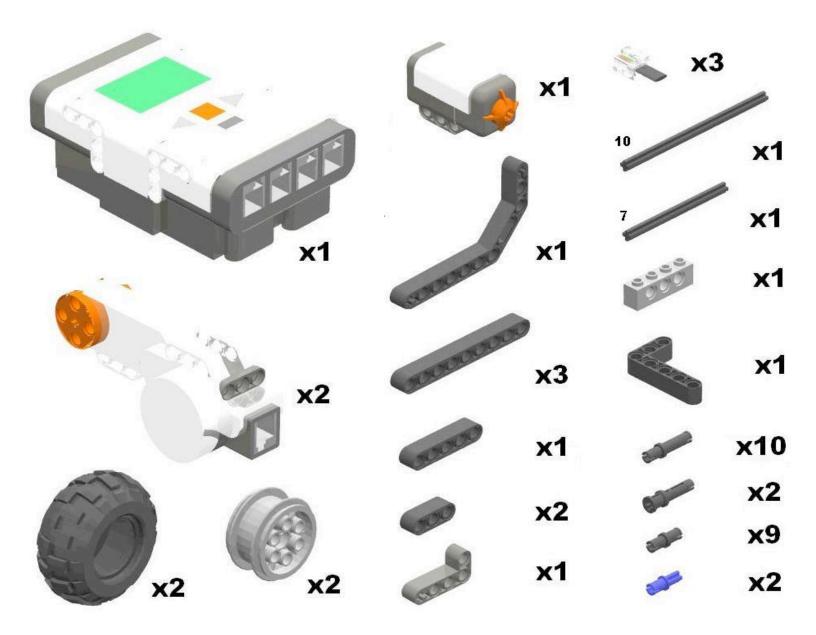
NXT-a-Sketch



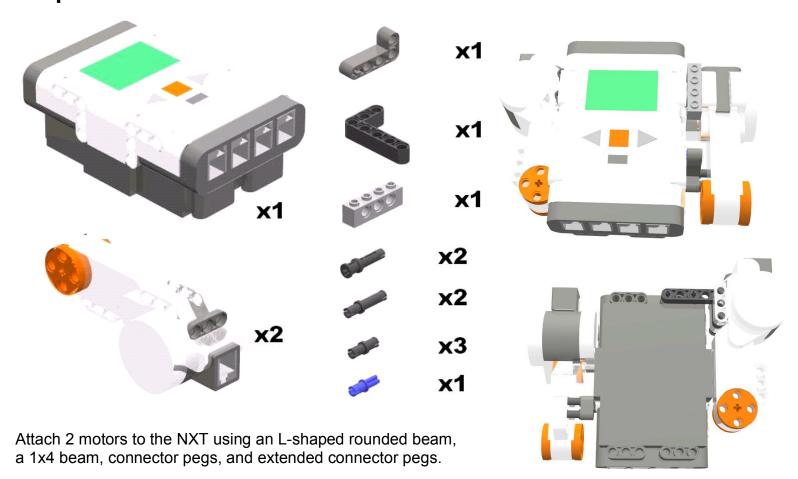
Model Description:

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.

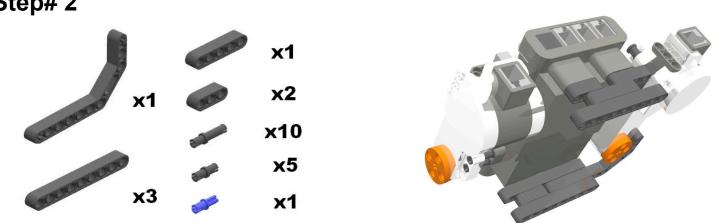
These are the parts you will need.



Step# 1



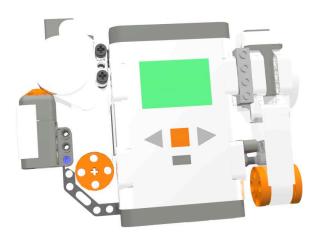
Step# 2



Secure the motors to the NXT by using connector pegs and a series of straight and angle rounded beams of varying length. Use these beams to create a base so your etch-a-sketch will not wobble.

Step# 3

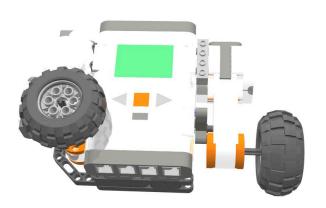




Attach a touch sensor to the outside of the motor. Wire the touch sensor to input Port 1 on the NXT.

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.