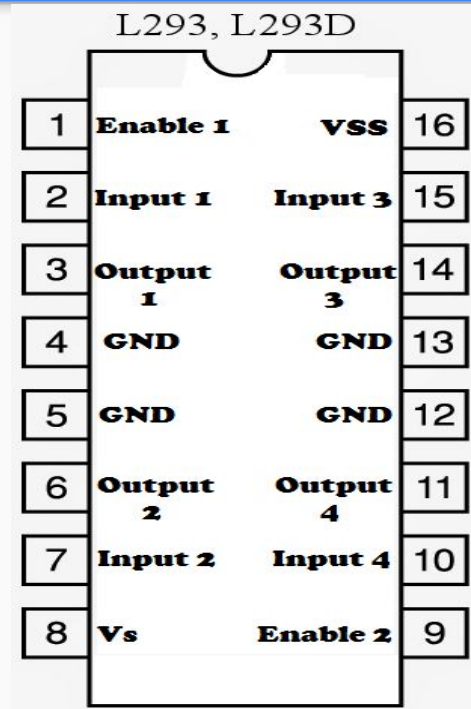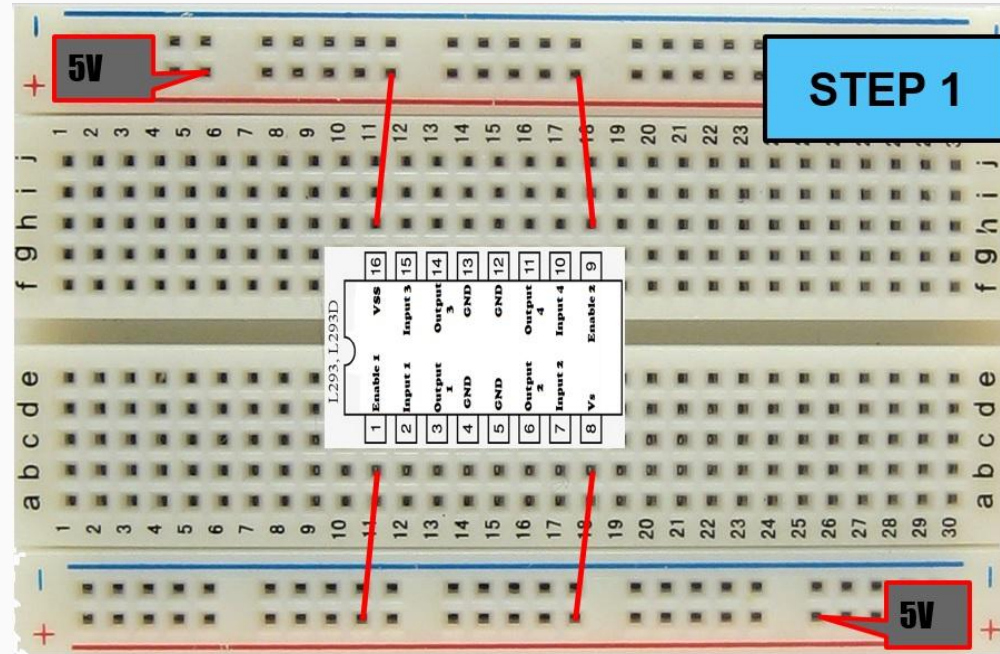# How do we use the L293D Chip to control a motor?

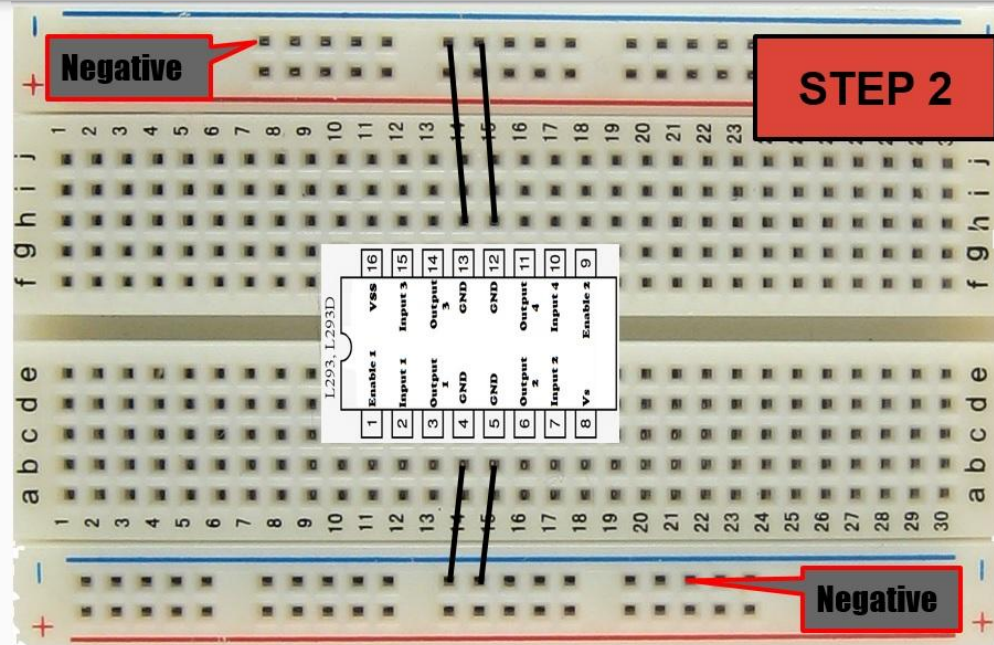# Connect to the positive 5 Volts…….

Step 1:

Connect pins 1, 8, 9 & 16 of the L293D chip to the positive 5V line on the breadboard.
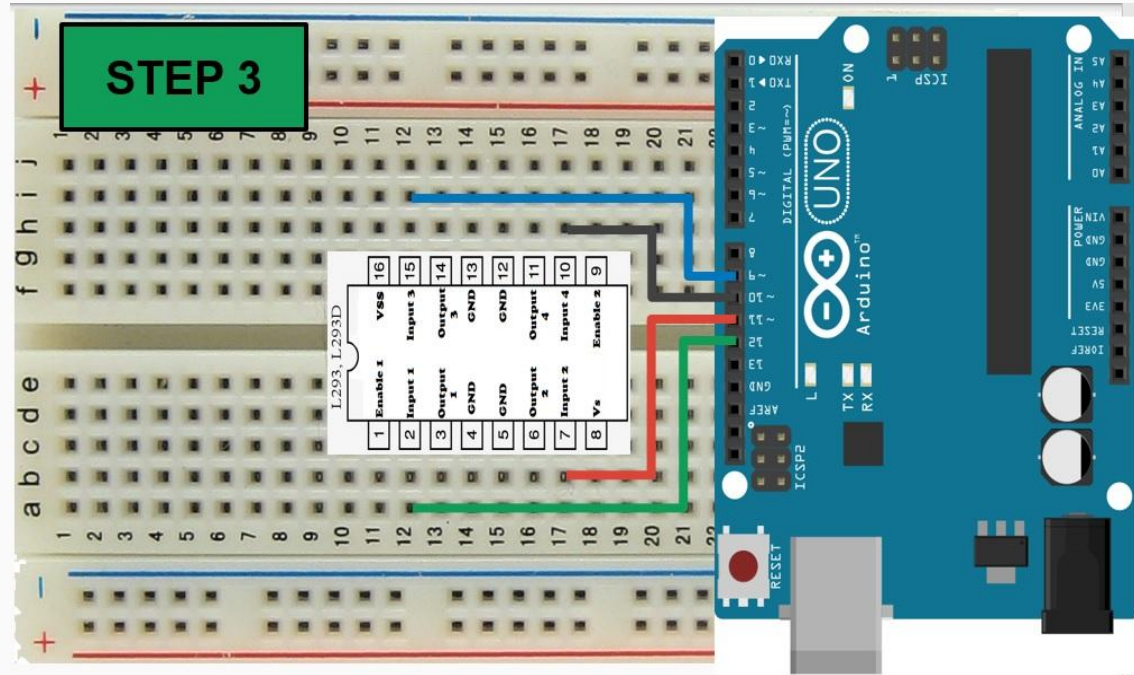
Connect the negatives....

Step 2:

Next, connect pins 4, 5, 12, & 13 of the L293D chip to the negative line on the breadboard.

Connect the signal from Arduino….

Step 3:

Then we connect pins 2, 7, 10 & 15 of the L293D chip to the Digital Pins 12, 11, 10 & 9 of the Arduino Uno board.
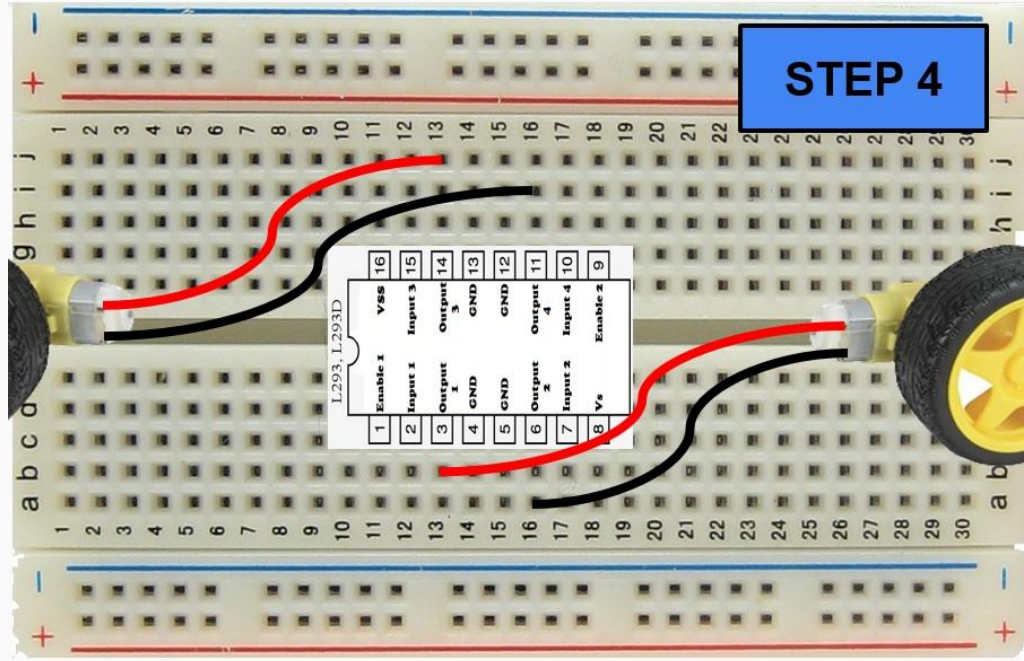
Connect the motors....

Step 4:

Connect pins 3 & 6 of the L293D chip to the motor.

Polarity does not matter. Rotation of the motor can be changed in programming.

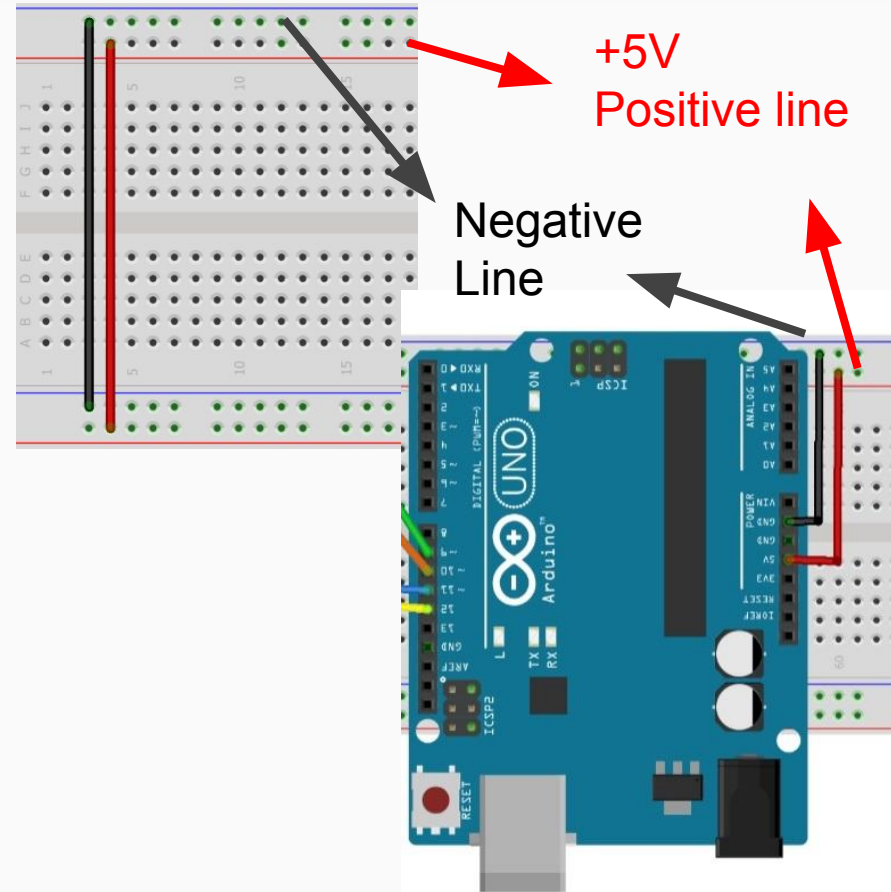Connect pins 11 & 14 of the L293D chip to the other motor.

STEP 4

Connecting to the Breadboard and Arduino

Final Step:

Connect two wires, one side of the +5V positive line of the breadboard to the other side of the +5V positive line.

Similarly, the negative line of one side of the breadboard is connected to the other side.

Lastly, connect 5V from the Arduino Uno board to positive line on the breadboard and connect the ground (GND) of the Arduino Uno board to the negative line on the breadboard.

+5V
Positive line

Negative Line

Geared Motor

L293D Chip