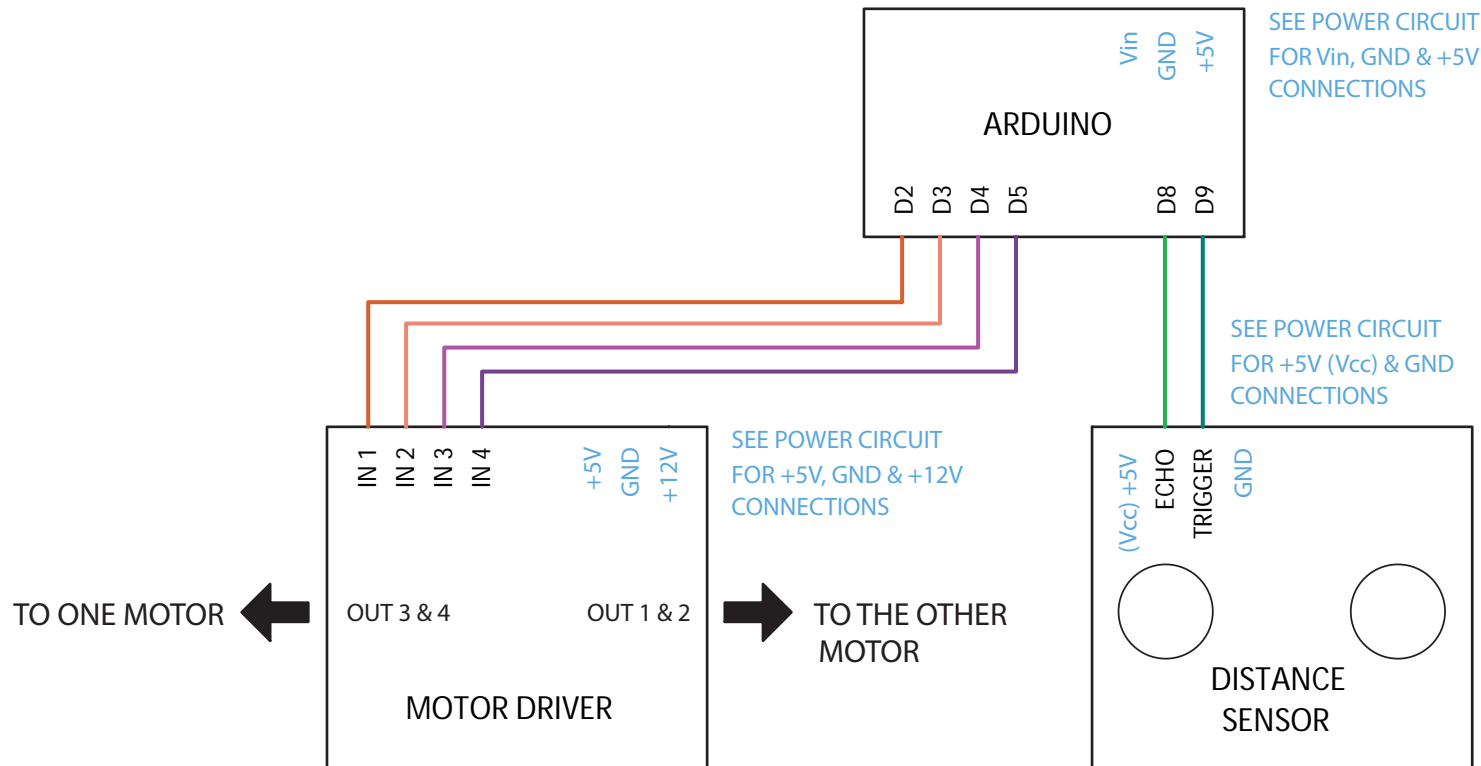
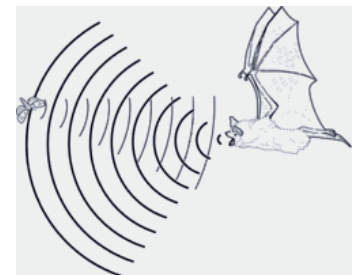


SCIENTIFIC TRUTH PROCLAIMERS: ARDUINO CIRCUIT



The distance sensor sends out an ultrasonic "PING" when the TRIGGER pin is set HIGH. The Arduino can calculate the distance to the closest obstacle by measuring the time until the sensor receives an echo of this ping (read from the ECHO pin).



LOGIC FOR CONTROLLING A MOTOR

IN 1	IN 2	MOTOR MOVEMENT (OUT 1 & 2)
HIGH	LOW	Motor spins in one direction
LOW	HIGH	Motor spins in the other direction
HIGH	HIGH	Motor does not move
LOW	LOW	Motor does not move

The logic is the same for the motor controlled by IN 3 & 4.

If a motor spins in the wrong direction: Reverse the two wires of this motor on the motor driver board in the OUT 1 & 2 (or OUT 3 & 4) connectors.