

Olivia Lu, Jenna Ko

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## Instructions for Stepper Motor

What you need:

- Arduino
- Driver Board
- Stepper Motor
- Jumpers
- Cable

Procedure:

1. Connect jumpers to IN1, IN2, IN3, and IN4 on the driver board
2. Connect the stepper motor to the driver board
3. Connect jumpers to power inputs - & + on the driver board
4. Connect the jumper in the - port to GND, and the jumper in the + port to 5V of the Arduino
5. Connect the jumper in IN1 to pin 8, IN2 to pin 9, IN3 to pin 10, and IN4 to pin 11 of the Arduino
6. Connect the Arduino to the computer with the cable

Code:

1. Put “#include <Stepper.h>” at the top of the code
2. Create a variable stepsPerRevolution for the number of steps per revolution and assign it to an integer
3. Initialize the stepper with variable myStepper with stepsPerRevolution, and pins 8, 9, 10, and 11
4. Under void setup(), set the speed to a number for revolutions per minute
5. Under void loop(), set the direction of the revolution to be clockwise by using MyStepper.step(stepsPerRevolution)

Citation:

<https://www.youtube.com/watch?v=odjQ4i-9aa4>

