Progress Report

Project Name: Temperature Gauge

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Recently, I have removed an IC chip from my Arduino motor shield as it was all I needed to drive the stepper motor. Wiring the driver to the raspberry pi pins and to the stepper motor, I have successfully created a complete circuit for the motor itself to work, and made some test code to push all the capabilities of the motor.

I am currently progressing smoothly, however it is different from the original proposal due to the fact that I had to change projects slightly and as such, some things were not planned.

As my group has changed, so has my project, to cater to the greater build soon to come. This device will solely read temperatures and display the recorded temperature on a stepper motor gauge, where as my previous idea was to have a moving camera with stepper motors.

My original budget did not include any drivers for the motor, but now I have added an L293D chip which completes what is needed. All that is left is to incorporate the temperature sensor from the student sense hat, have a circuit board printed with my design including the driver chip, and a case for the device.