

Final project: Solar Tracker

by: Sanjay Raj

# The Solar Tracker



What it does:

It searches for the brightest light source like the sun.



# Parts List:

2 x servo's 1.5\$ piece



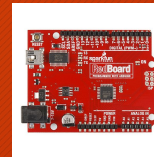
4 x lightdepending resistors 0.78\$ for 20 pcs



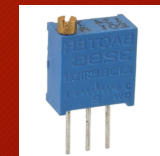
4 x resistors 10K 0.78\$ for 50pcs free shipping  
(already have that)



1 x Arduino (already have that)



2 x potentiometers 10k 0.80\$ (already have that)



# Plan

Feb 1 - Assemble Pan/Tilt with Servos

Feb 28 - Program Pan/Tilt with Servos

Mar 30 - Connect/Program sensors with Arduino

Apr 30 - Connect/Program sensors and Servos with Arduino, and finish project



# Challenges/Risks

1. Assemble the Pan/Tilt kit
2. Connect Pan/Tilt kit with Arduino





# Shopping List

<https://www.amazon.com/Adafruit-Mini-Pan-Tilt-Kit-Assembled/dp/B00PY3LQ2Y> - Pan/Tilt Kit for servo's - \$18.99

<https://www.amazon.com/10pcs-Dependent-Resistor-Photoresistor-GL5528/dp/B00XDT8KI4> - Light Sensors - \$2.29

I already have the rest of the stuff.