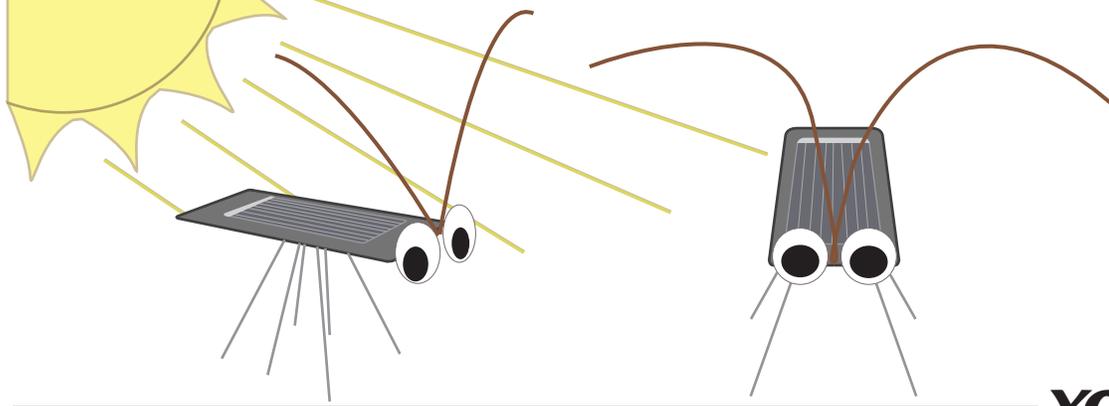


Solar Cockroach



TIME:
15-30 MINUTES

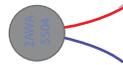
YOU WILL NEED:

SUPPLIES:

2V Solar Cell



Vibrating Motor



2 Big Paper Clips



2 Googly Eyes



6 inches of
Magnet Wire



TOOLS:

Solder



Soldering Iron



Hot Glue Gun



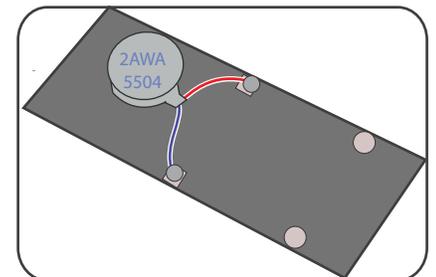
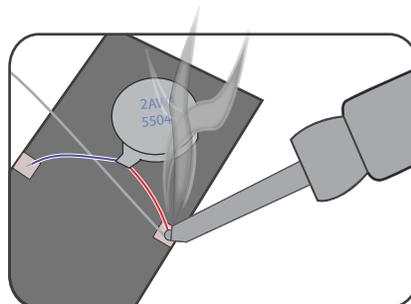
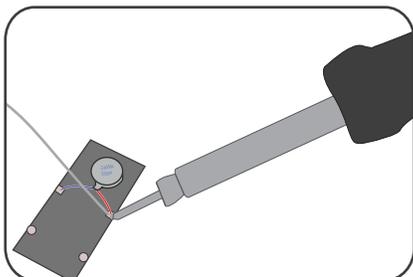
Wire Cutters



Make sure to warm up your Soldering Iron and Glue Gun before you start.

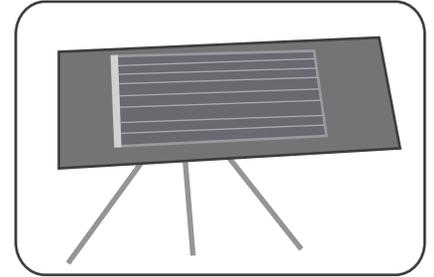
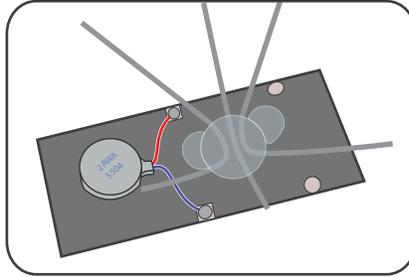
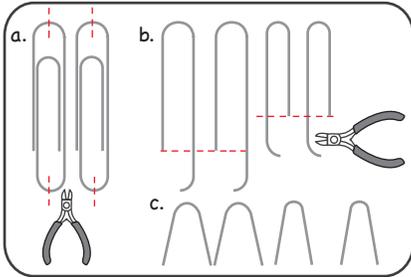
1 **SOLDER YOUR MOTOR to THE SOLAR PANEL**

Peel off the adhesive backing from the motor. Align the wires from the motor with the leads on the solar cell and stick the motor on to the cell. Solder the wires to leads.



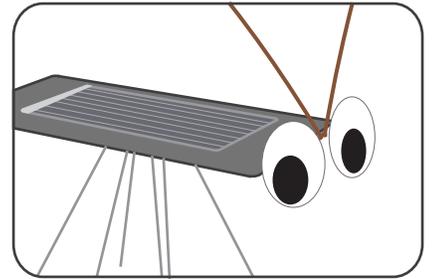
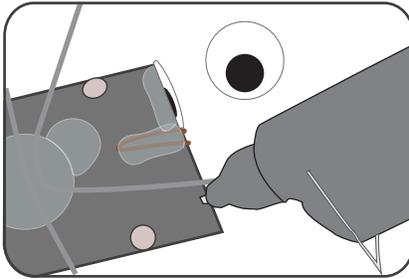
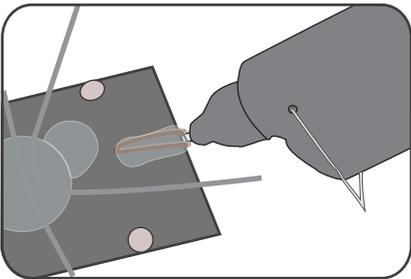
2 CUT PAPER CLIPS FOR THE LEGS & ATTACH

Cut paper clips as shown in the diagram. Bend the U-shapes outward before attaching the legs. Put a blob of hot glue on the bottom of the solar cell to attach the legs. Hold the legs in place while the glue cools and hardens.



3 ATTACH ANTENNA & GOOGLY EYES

Fold your magnet wire in half and place it in the middle front of your solar cell, apply glue. For the eyes place a drop of glue next to the antenna and smear towards the front to attach a googly eye. Repeat this step for the second googly eye.



ENJOY!!!!

