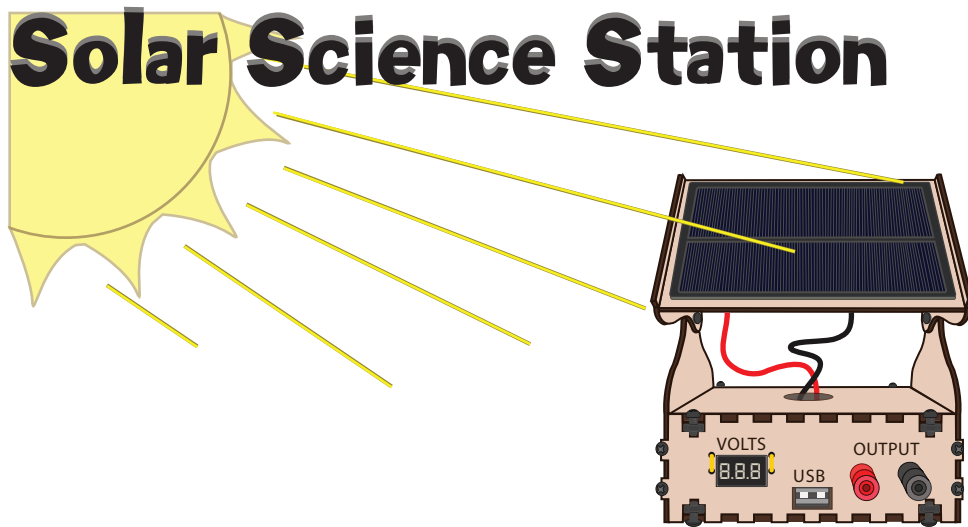


# Solar Science Station



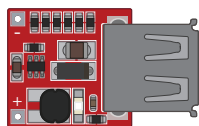
**TIME:**  
30-60 MINUTES

## YOU WILL NEED:

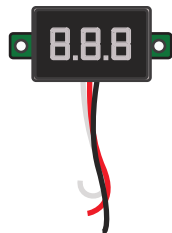
### PARTS:



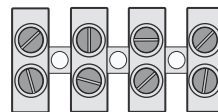
6V 200mA  
Solar Cell



USB Charging  
Circuit



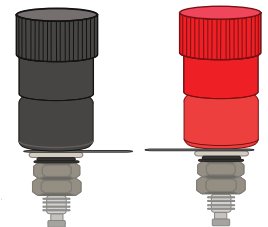
LED Voltmeter



4 Port Screw  
Terminal Block



24 Screws  
and Nuts



Banana Socket  
(Black and Red)



Stranded  
Wire



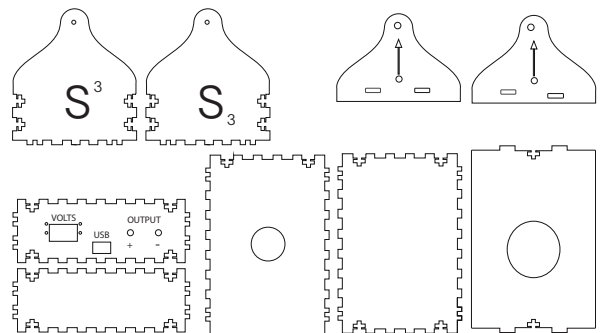
Solid Core  
Wire



Double-Sided  
Foam Tape

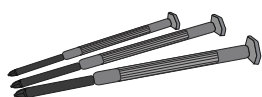


Velcro



Wooden Case

### TOOLS:



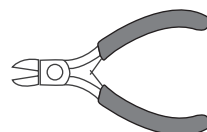
Screwdrivers



Scissors



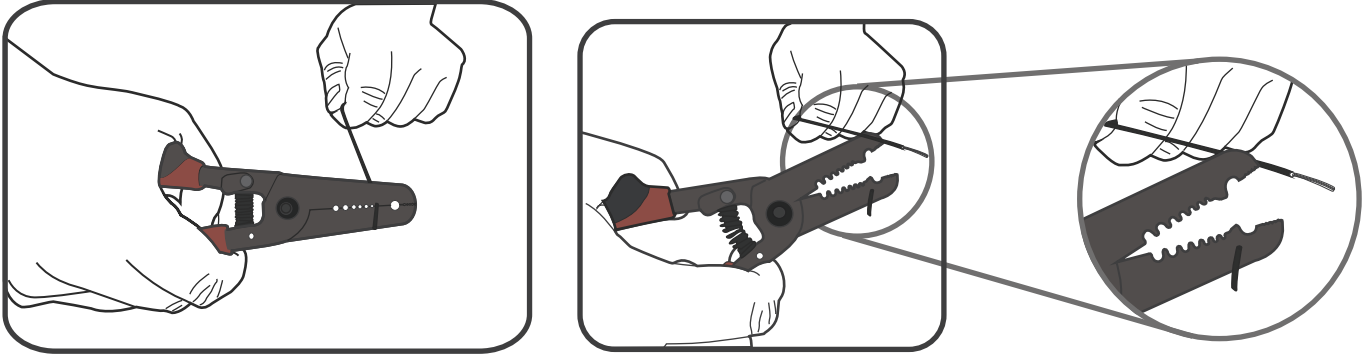
Wire Strippers



Wire Cutters

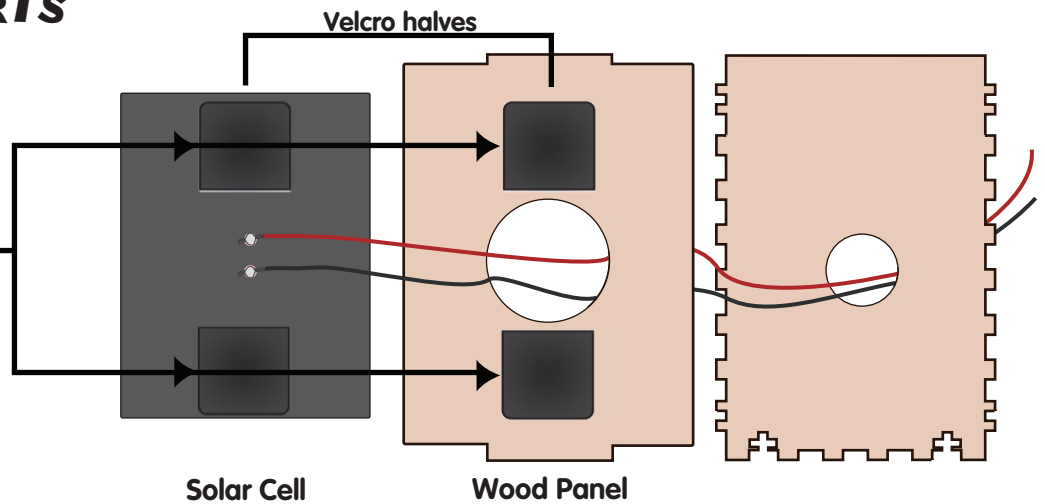
## 1 STRIP WIRES

Strip the ends of the loose black and red wires, including the ones on the battery holder and solar panel.



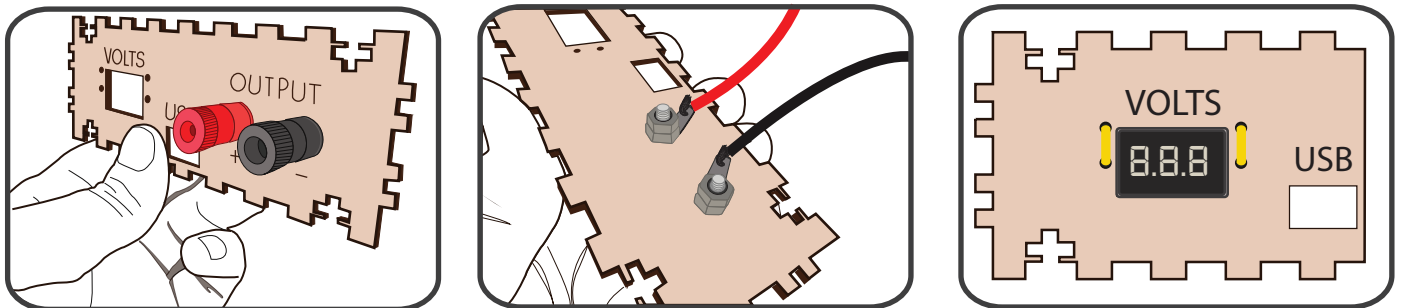
## 2 ATTACHING PARTS

Cut the velcro in half and attach to the solar cell and wood panel.



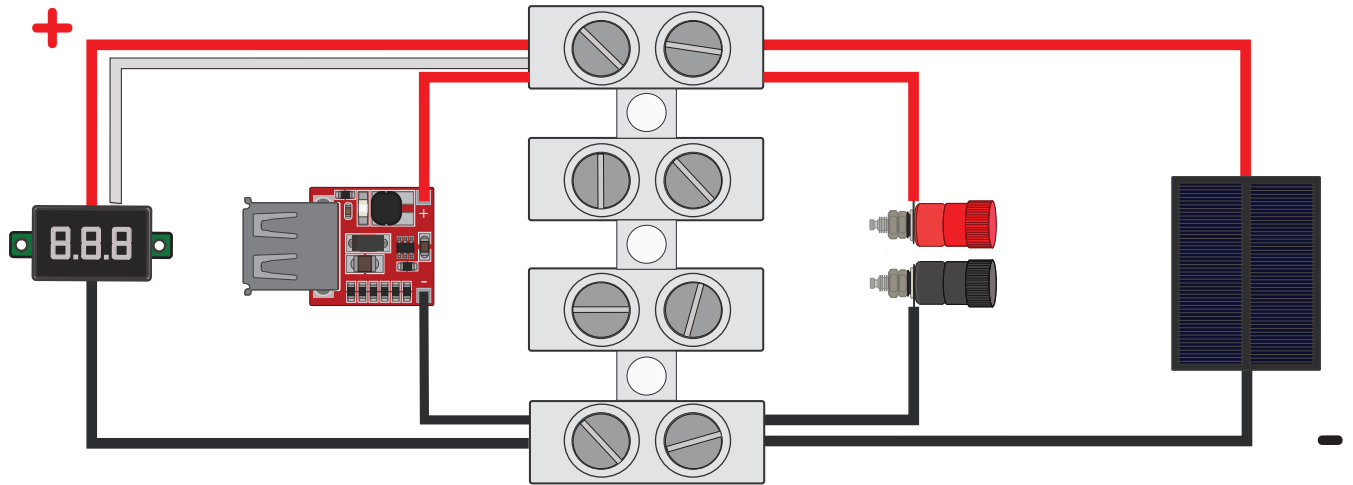
## 3 INSTALL HARDWARE in FACEPLATE

Use the screws on the back of the Banana Plug to secure the loose red and black wires in place.



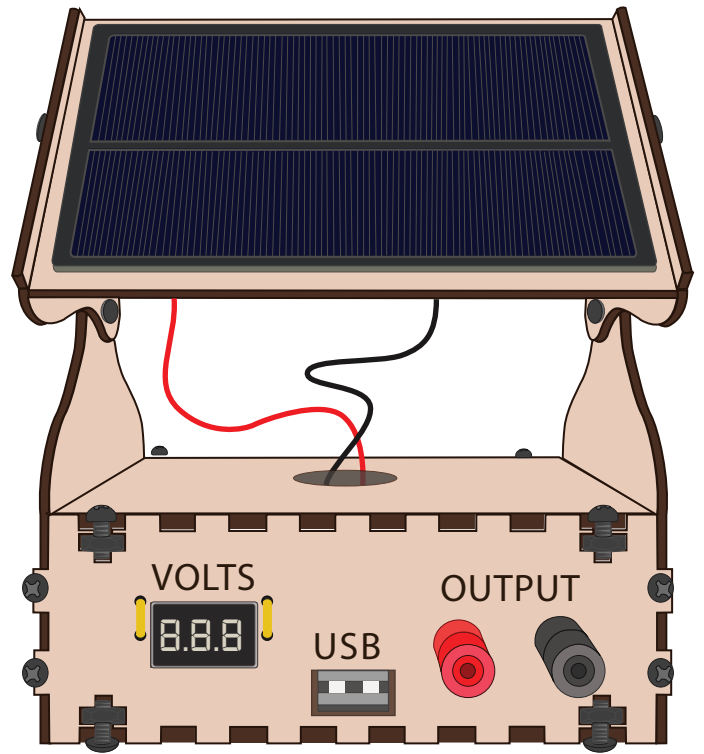
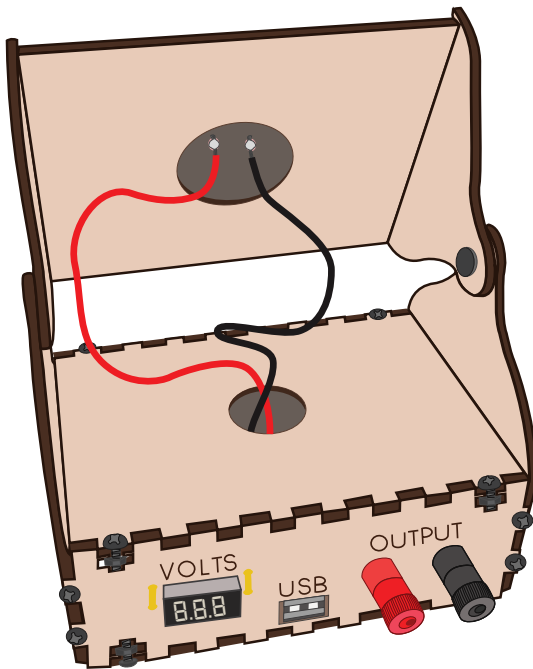
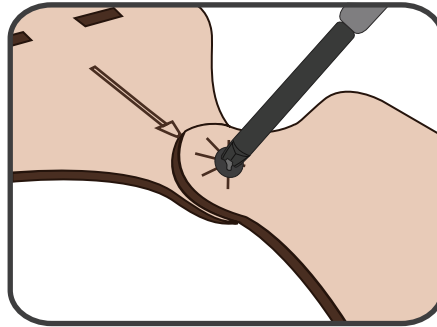
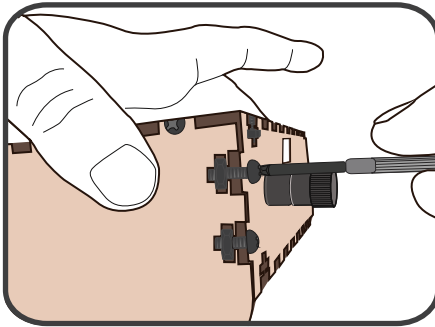
Use the piece of stranded core wire like a twist tie to hold the volt meter in place. You may need to cut it in half.

## 4 WIRING



## 5 ASSEMBLE the BOX

Use the foam tape to secure the USB circuit to the base of the wooden box. If you're using a battery pack, but the foam tape in half and use the extra tape for the battery holder.



# 7 WIRING

