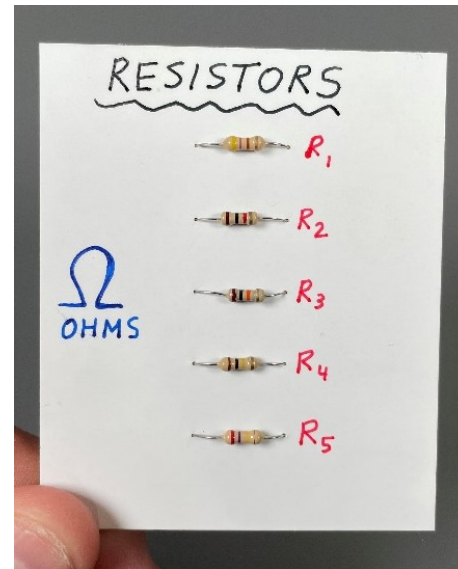
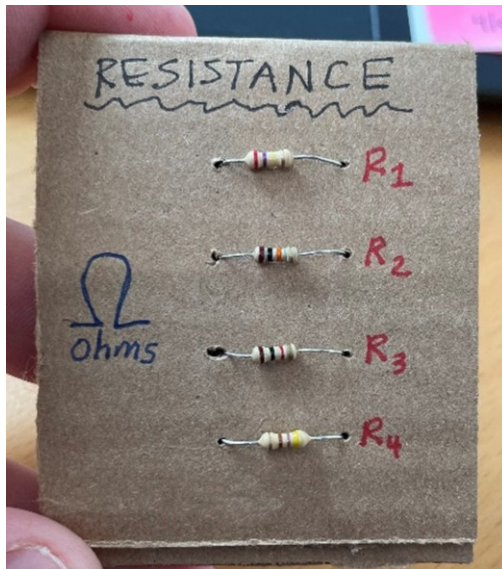
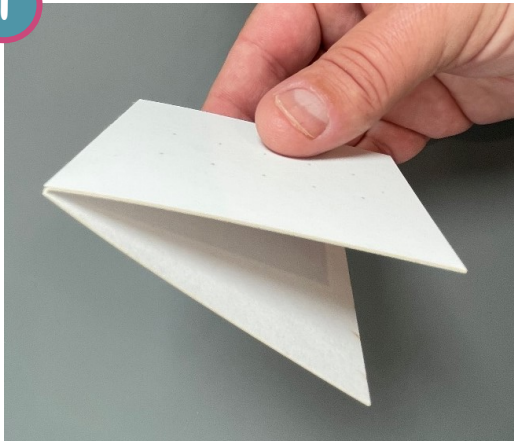


Making the Resistor Card

STUDENTS WILL MAKE THESE CARDS AND SHARE THEM WITH ONE ANOTHER TO TEST THEIR RESISTANCE MEASURING SKILLS AND THEIR COLOR BAND KNOWLEDGE!



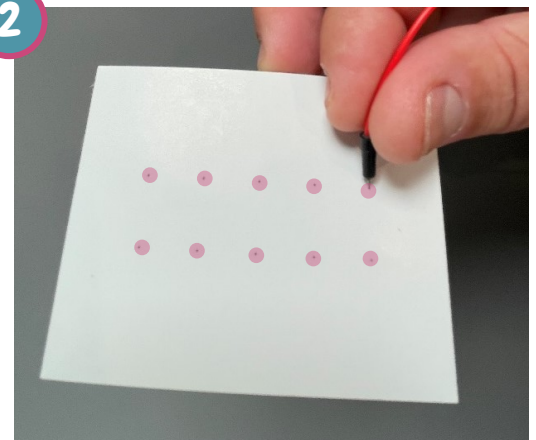
1



Cut and fold a 2.5 inch by 6 inch piece of card stock paper or cardboard.



2

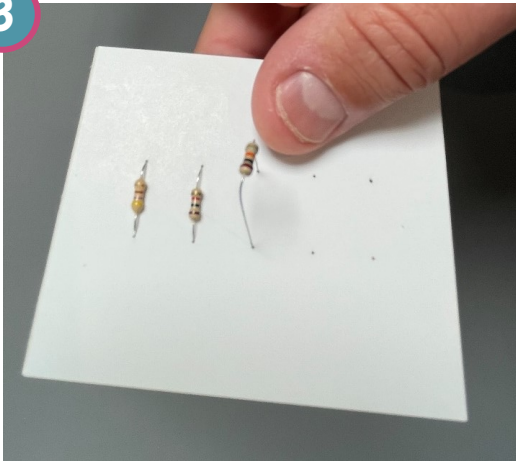


Using the pointed end of a wire (or pencil) make 5 pairs of holes through one end of the paper.



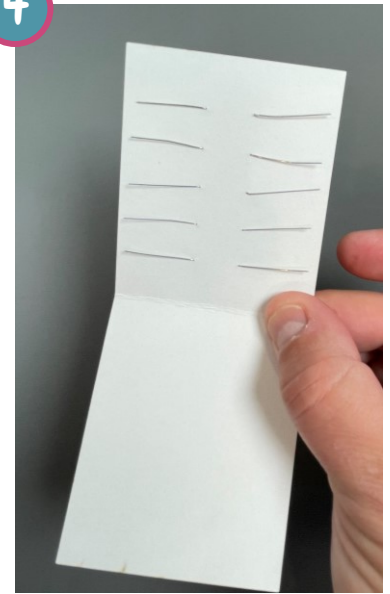
Insert 5 different resistors and their legs through the holes.

3



Spread the resistor pins out on the other side of the paper so that they are not touching.

4

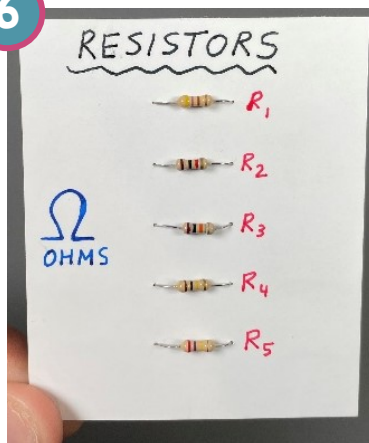


Using tape or hot glue or staples adhere the two sides of the card together.

5



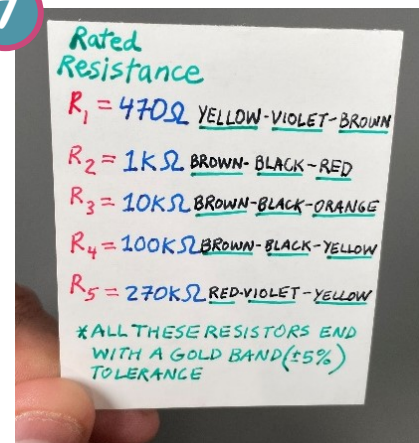
6



Put a title, label each resistor, and write the Ohm symbol (Ω) on the front of the card.



7



Write the rated resistance values for each of the resistors on the back of the card.



8



Students can exchange resistor cards with one another and figure out the rated resistance using the color bands and find the measured resistance using a multimeter.

9

COMPONENTS IN STARTER CIRCUIT KIT

Record the data using the data table!



Resistors	Rated Resistance (Color Band)	Measured Resistance (Multimeter)
R_1		
R_2		
R_3		
R_4		
R_5		

