LESSON 12 Simple Circuit on a SCB

Watch video Lesson 12



Step 1 - Get out the solueriess circuit board, a red LED, a 470 ohm resistor, and a 9-volt battery snap.

Step 2 - Insert the LED with, the beveled edge on the left side.

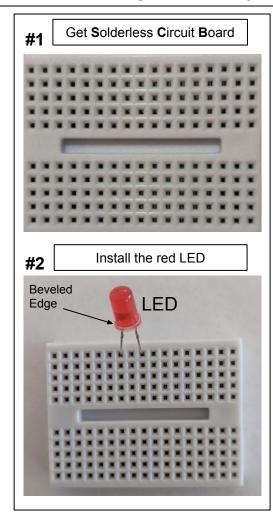
Step 3 - Insert the leads of the 470 ohm resistor. (Since resistors do not have polarity, it does not matter which way you plug it into the board.)

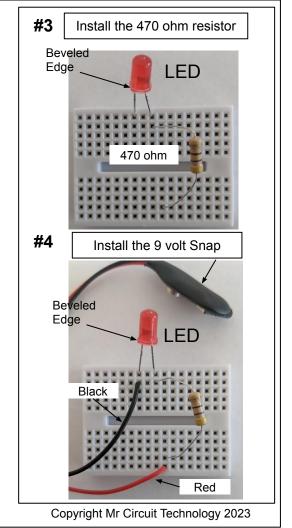
Step 4 - Insert the battery snap leads as shown.

Step 5 - Connect a 9-volt battery and observe the brightness of the LED. (If the LED does not light, check your connections.)









MR CIRCUIT LAB #1201 - MULTIMETER FUNDAMENTALS "Ohm's Law and More!"

12b

Simple circuit on a Solderless Answer these **Activity Page Circuit Board** questions (4) Does this red LED have polarity? (1) Are the black wire of the (8) If you can't determine which lead 9-volt snap and the beveled edge side of the LED plugged into the same group of 5 (5) True or False? Even if you connect the 'long lead' of the LED to the LED? holes? the negative (or black lead of the battery snap), it will still light up. (2) Are both leads of the LED plugged into the same group of 5 holes? (6) The red lead of the battery snap is connected to the: (3)Does the 470 ohm resistor (7) True or False? One side of the circuit? have polarity? 470 ohm resistor is connected to the 'long lead' on the LED and the other side is connected to the black wire of the battery snap.

is the 'short lead' on an LED, look for the _____ edge to find the Cathode or negative side of (9) True or False? This red LED will work just fine if it is connected directly across the 9-volt battery. (10) Did your LED light up when you connected a 9-volt battery to the

Copyright Mr Circuit Technology 2023