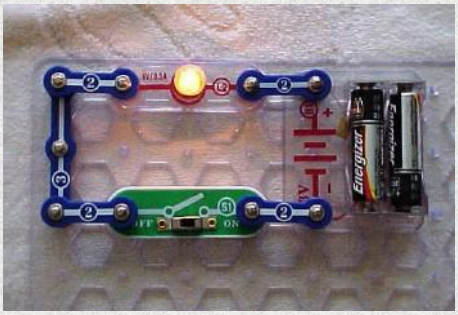
Radio Shack RS-202 Setups for Kiser Middle School

Thanks to Dr. John Kelly for Making Kits Available to IEEE Teacher In-Service Program

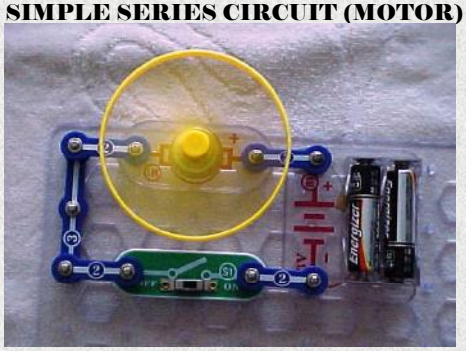
RADIO SHACK RS-202 KIT For TryEngineering LESSON PLANS

RS-202 KIT PARTS

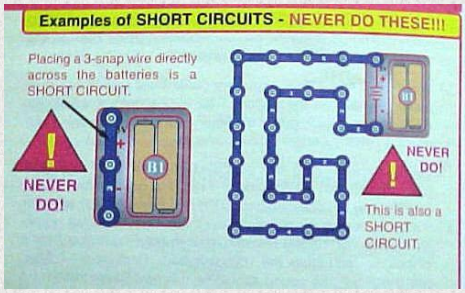
PROJECT #1 SIMPLE SERIES CIRCUIT (LAMP)



PROJECT #2 SIMPLE SERIES CIRCUIT (MOTOR)

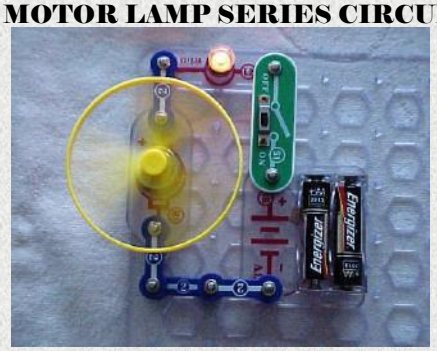


WATCH OUT FOR SHORT CIRCUITS.

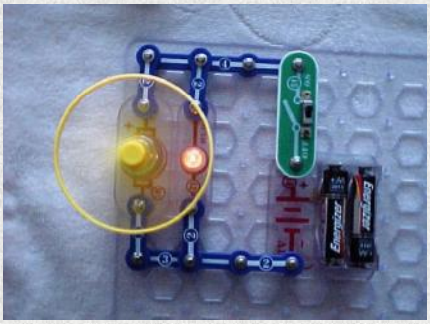


ALWAYS PUT RESISTANCE IN BLUE CIRCUIT!

PROJECT #5 MOTOR LAMP SERIES CIRCUIT



PROJECT #6 MOTOR LAMP PARALLEL CIRCUIT

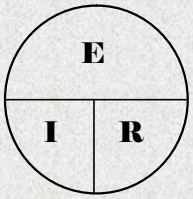


OHMS LAW

E = I x R

I = E/R

R = E/I

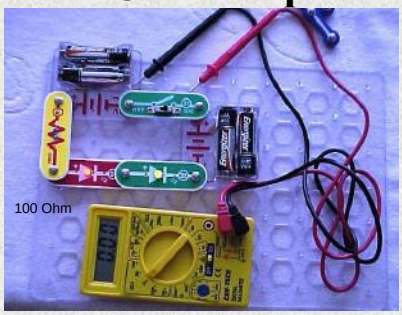


VOLTAGE = (CURRENT) X (RESISTANCE)

CURRENT = (VOLTAGE) ÷ (RESISTANCE)

RESISTANCE = (VOLTAGE) ÷ (CURRENT)

Project #150 Current Equalizing



Use Multimeter to measure voltages across devices; all devices have equal currents in series circuit.

SERIES & PARALLEL CIRCUITS

WHAT IS DIFFERENCE IN CIRCUIT ACTIONS? Why?