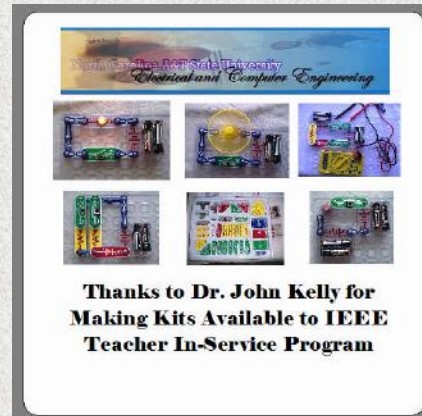


Radio RS-202 Kit Setups for TryEngineering Lesson Plans



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

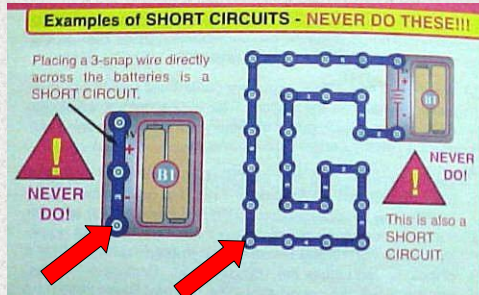
RADIO SHACK RS-202 KIT For TryEngineering LESSON PLANS



RS-202 KIT PARTS



WATCH OUT FOR SHORT CIRCUITS.



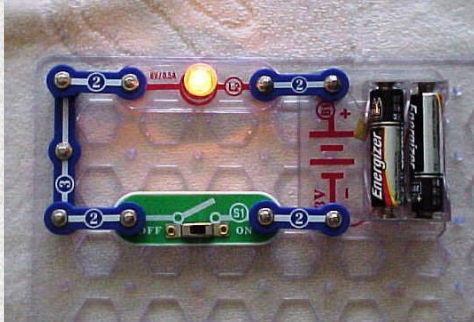
ALWAYS PUT RESISTANCE IN BLUE CIRCUIT!

WATCH OUT FOR SHORT CIRCUITS ..

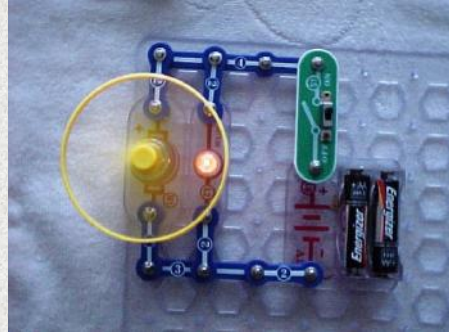


ALWAYS PUT RESISTANCE IN BLUE CIRCUIT!

**PROJECT #1
SIMPLE SERIES CIRCUIT (LAMP)**



**PROJECT #6
MOTOR LAMP PARALLEL CIRCUIT**



Voltage Measurements



**Project #13
Two Speed Fan**



OHMS LAW

$E = I \times R$

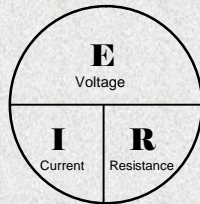
$I = E/R$

$R = E/I$








VOLTAGE = (CURRENT) X (RESISTANCE)

CURRENT = (VOLTAGE) ÷ (RESISTANCE)

RESISTANCE = (VOLTAGE) ÷ (CURRENT)



Conductor or Insulator

 Eraser <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Metal Pen <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Paper Envelope <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator
 Pencil <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Paper Clip <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Chalk <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator
 Coin <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Spoon <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator	 Nail <input type="checkbox"/> Conductor <input type="checkbox"/> Insulator

See page 6 of Lesson Plan 13 "Solid Conductors"