

ELECTRICITY PROJECT RECORD

Check all that apply to your project this year:

stripped and tinned wire
made an underwriter's knot
read a meter
can estimate a resistors size
can calculate current (if voltage and resistance are measured)
soldered wire
found information on volts and amps on home appliances
can calculate watt-hours (if volts, amps & time are measured)
soldered wire
made an electromagnet
made a buzzer
measured DC voltage
measured AC voltage
made a telegraph
made a galvanoscope
made a simple electric motor
used a magnetic field to create electrical current
made a Western Union splice
made a cat-tail splice
re-wired a lamp
made an extension cord
drew an electrical plan of your home
made a test light and checked home outlets for grounding wires
wired a 3-way switch
replaced or wired a single-pole switch
used a light meter
went on a field trip to a lighting store or electrical contractors shop
made a lamp
put together an appliance file for care and operating instructions
calculated energy efficiency ratio of an air conditioner
made a solar cooker
calculated your electric bill using power company's rate schedule
built a "foxhole radio"
built a capacitor flasher
built a "repulsion" coil to demonstrate magnetic effect
examined a vacuum tube
built a simple microphone
built a two-transistor radio receiver
built an electronic tachometer
built a photo electric controller

Tools and supplies I used:

needle nose pliers
electrician pliers
side cutting pliers
screw driver(s)
pocket knife
volt-ohm meter
circuit test board
knife switch
battery holder(s)
batteries
breadboard
screw terminal strips
lamp
socket(s)
plug(s)

wire
solder rolls
diodes
electrical tape
resistors
6-volt lamp(s)
fuses
crimping tool
soldering iron or gun
others, list

Add anything not covered above: _____

You may enhance your record with a story, photos with captions, and/or news clippings