

WEB LINK:	http://www.meritbadge.com/bsa/mb/044.htm	
DATE COMPLETE	ELECTRONICS MERIT BADGE CHECK LIST	SCOUT'S NAME:
	1. Do the following:	
	a. Draw a simple schematic diagram. It must show resistors, capacitors, and transistors or integrated circuits. Use correct symbols. Label all parts.	
	b. Tell the purpose of each part.	
	2. Do the following:	
	a. Show the right way to solder and unsolder.	
	b. Show how to avoid heat damage to components.	
	c. Tell about the function of a printed circuit board. Tell what precautions should be observed when soldering printed circuit boards.	
	3. Select <u>ONE</u> of the following:	
	a. Tell how you can use electronics for a control purpose. Build a circuit to show this.	
	b. Tell about the basic principles of digital techniques. Show how to change three decimal numbers into binary numbers. Show how to change three binary numbers into decimal numbers. Build a circuit to show digital techniques.	
	c. Tell about three audio applications of electronics. Build a circuit to show audio techniques.	
	BSA Advancement ID#: 44	
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