

2. Do the following:

Plumbing

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33215. Merit Badge Workbooks and much more are below: Online Resources.

Workbook developer: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: August 2008.

Scout's Name:		Unit:	
Counselor's Name:		Counselor's Ph #:	
1. Do the following:			
a Describe how a properly w	orking plumbing system pro	tects your family's health and safety	
b List five important local he	ealth regulations related to pl	umbing and tell how they protect health and	safety.
			
5			
c Describe the safety precau	itions you must take when m	aking home plumbing repairs.	

a Make a drawing and explain how a home hot- and cold-water supply system works.

Tell how you would make it safe from freezing.

b Make a drawing and explain the drainage system of the plumbing in a house.

Plumbing p. 3	Merit Badge Workbook	Scout's Name:
Show and explain the use of drains and vents	s	
3. Show how to use five important plumber's	tools.	
4. Identify and describe the use of each of the washer,	•	
retaining nut,		
plunger (rubber force cup),		
solder,		
flux,		
elbow,		
tee,		
nipple,		
coupling,		
plug,		
union,		
trap,		
drainpipe,		

Plumbing p. 4	Merit Badge Work	kbook Scout's Name:	
and water meter			
5. Name the kinds of p	pipe that are used most often in a plumbin	ng system. Explain why these pipes are used.	
6. Cut, thread, and	connect two pieces of steel pipe.		
	vision of a knowledgeable adult, solder th pieces, and one coupling.	hree copper tube connections using a gas torch.	Include
8. Do the following:	a. Replace a washer in a faucet.	b. Clean out a sink or lavatory trap.	
Boy Scouts of Americ	-	nly with your parent's or guardian's permission.) ng ► Age-Appropriate Guidelines ► Safe Swim irst Class ■ Rank Videos ► Safety Aflo	
Boy Scout Merit Badg		e.org Merit Badge Books: www.scoutstuff.org	_
ExpertVillage First Aid \		<u>■ Basics2</u> <u>■ CPR Basics</u> <u>■ Venomous Snake</u>	e Bite
Plumbing Repairs		<u>al</u> <u>■Toilet</u> <u>■Replace a Sink</u> <u>■Copper 1</u>	<u>Fubing</u>
•	imbing Engineers: http://www.aspe.org		
	n of Plumbing and Mechanical Officials: http://		
	Association of America: http://www.mcaa.org	<u>rg</u>	
•	ling Contractors: http://www.phccweb.org		
United Association of Pl	lumbers and Pipefitters: http://www.ua.org		