

Fire Safety

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet.

The work space provided for each requirement should be used by the Scout to make notes for discussing the item with his counselor, not for providing the full and complete answers. Each Scout must do each requirement.

No one may add or subtract from the official requirements found in **Boy Scout Requirements** (Pub. 33216 – SKU 616334).

		The requirements were last issued or revised in <u>2013</u> • This workbook was updated in <u>January 2013</u> .
Scout's	s Name:_	Unit:
		ne: Counselor's Phone No.:
	Ple	http://www.USScouts.Org • http://www.MeritBadge.Org ease submit errors, omissions, comments or suggestions about this workbook to: Workbooks@USScouts.Org
	Comments	s or suggestions for changes to the <u>requirements</u> for the <u>merit badge</u> should be sent to: <u>Merit.Badge@Scouting.Org</u>
1.	Do the	following:
	□ a.	Demonstrate the technique of stop, drop, roll, and cool.
		Explain how burn injuries can be prevented
	b.	List the most frequent causes of burn injuries.
2.	Explain	the chemistry and physics of fire.
	Name t	he parts of the fire tetrahedron.
	1)	
	,	
	4)	
	Explain	why vapors are important to the burning process.

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Scout's Name:

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5. Li	st the co	the common circumstances that cause holiday-related fires and explain how these fires can be prevented.																														
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☐ 6.	Cond (See	uct a the S	hom amp	ne s ole F	afet Iom	y su e S	irve afet	y wit	h th	ne he dist a	elp (at th	of a	n ac	dult of t	t. His	wor	kbod	ok.)														
	Then						esc	cape	e pla	an. c	rea	te a	a ho	me	fire	-dri	l scl	hedu	ıle. a	and	con	duc	ta	hom	ne fi	re c	drill.					
			Draw a home fire escape plan.						,								,															
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Fire Safety	Scout's Name:
	Home fire-drill schedule
I	Conduct a home fire drill.
	o. Test a smoke alarm and demonstrate regular maintenance of a smoke alarm.
(c. Explain what to do when you smell gas and when you smell smoke
	Gas:
	Smoke
	d. Explain how you would report a fire alarm
•	e. Explain what fire safety equipment can be found in public buildings
1	Explain who should use fire extinguishers and when these devices can be used
!	g. Explain how to extinguish a grease pan fire
J	n. Explain what fire safety precautions you should take when you are in a public building
7. Do th	e following:
	a. Demonstrate lighting a match safely.
	Demonstrate the safe way to start a charcoal fire.
	c. Demonstrate how to safely light a candle.

Fire Sat	fety		Scout's Name:
			Discuss with your counselor how to safely use candles.
8.	Expl fabri		he difference between combustible and noncombustible liquids and between combustible and noncombustible
	Liqui	ids:	
	Fabr	ics:	
9.			bllowing:
			Demonstrate the safe way to fuel a lawn mower.
	Ш		Demonstrate the safety factors, such as proper ventilation, for auxiliary heating devices and the proper way to fuel those devices.
10.	Do tl	he fo	ollowing:
		a.	Explain the cost of outdoor and wildland fires and how to prevent them.
			Cost:
			How to prevent them:
		b.	Demonstrate setting up and putting out a cooking fire.
		C.	Demonstrate using a camp stove and lantern.
		d.	Explain how to set up a campsite safe from fire.

Fire	Saf	ety Scout's Name:	Scout's Name:							
	11.	Visit a fire station. Identify the types of fire trucks.								
		Find out about the fire prevention activities in your community:								
	12.	Choose a fire safety related career that interests you and describe the level of education required and responsibilities a person in that position.	 es of							
		Career: Education:								
		Responsibilities:								
		Tell why this position interests you.								

Requirement resources can be found here:

http://www.meritbadge.org/wiki/index.php/Fire Safety#Requirement resources

Fire Safety	Scout's Name:

Sample Home Safety Checklist

Check safety steps that being taking in your home. Write N/A if the item is not applicable. Items left blank may present a safety hazard. This list provides some sample safety steps you might take. See your Safety Merit Badge pamphlet and counselor for more information. Ask your parent or guardian before making any changes.

Stairways, Halls, and Outdoor Steps	Living Room and Dining Room									
Stairways with three or more steps have a strong handrail.	Furniture is placed to allow easy passage in an emergency.									
Stairs/halls are kept free from boxes, toys, brooms, tools, etc.	Before bedtime, furniture placement is checked for									
Gates at top and bottom of stairs prevent children from falling.	orderliness.									
The head and foot of stairs have no small or loose rugs.	Furniture and woodwork solid, in good repair, and free from.									
Stair carpeting or covering is fastened securely.	Fireplace screen fits snugly.									
Stairways & halls have good lighting, controllable at each end.	Rugs are fastened or laid on non-slip pads.									
	Rugs are kept from curling at their edges.									
Kitchen	Wax on floors is thoroughly buffed.									
Matches are kept where children cannot get them.	Fire in fireplace is extinguished at bedtime.									
Knives & sharp instruments are kept in knife drawers or holder.	Candles are in stable holders and fully extinguished after use.									
Can openers don't leave sharp edges on cans.	Bedroom									
Disinfectants & cleaning products are out of reach of children.	Smoke alarm has fresh battery or electrical connection & is									
Pan handles are turned away from stove edges.	tested regularly.									
Spilled grease, water, or bits of food are wiped up immediately.	Carbon monoxide detector has fresh battery or electrical connection and is tested regularly.									
Pot holders are within easy reach.	Furniture placement for clear passage between bed and door.									
A fire extinguisher is mounted near the stove.	Light switch or lamp is within easy reach from bed.									
	A night-light illuminates bedroom or hall.									
Bathroom	Bureau and dresser drawers are closed when not in use.									
Tub and shower are equipped with strong handholds.	Bar across bunk beds helps prevent falls.									
Tub floor has non-slip surface.	Children are taught not to lean against windows or screens.									
Poisons are marked, sealed shut, and out of reach of	Sturdily screen low windows to prevent children from falling.									
children.	Smoking in bed is prohibited.									
Medicines are out of reach of children in childproof containers.	Gas and electric heating devices are turned off at bedtime.									
No one takes medicine in the dark.	Nursery									
Attic and Basement	Bars on cribs are closely spaced.									
	Crib is approved by Consumer Products or similar.									
Ladder is strong, solid, and sturdily constructed.	Crib is free from sharp edges or corners.									
Stairway is sturdy and well lighted.	Sleeping garments and covers keep baby warm without									
Children keep skates and play gear in a specific place.	danger of smothering.									
Walls and beams are free from protruding nails.	Pillows are kept out of bassinet or crib.									
Fuses or circuit breakers are the proper size.	No thin, plastic material is in or near the crib.									
Rubbish & flammable materials are in covered metal cans Wastepaper is kept away from furnace and stairs.	Children are taught not to give marbles, etc. to younger children.									
	Toys are sturdy & have no sharp edges.									
	Nontoxic paint is used on baby furniture and toys.									
	All houseplants are nonpoisonous.									

Fire Safety Scout's Name: _____

Sample Home Safety Checklist

Stoves, Furnaces, and Heaters	Workshop						
Stoves are away from curtains.	Good ventilation exists, especially when sanding.						
Stoves & furnaces are inspected & cleaned annually.	Safety goggles and/or face mask are available, with eyewash.						
Gas burners are properly adjusted and free from leaks.	Baking soda is kept handy to neutralize acid burns.						
Gas water and space heaters are equipped with vents or	All electrical tools are either three-wire or double-insulated.						
flues.	Work area is well lit & free of clutter, scraps, rags.						
Water heater or boiler has a safety valve & is checked yearly.	All tools have a place & are in their place.						
Flames of gas burners are protected from drafts.	Guards are in place on all power tools.						
Insulating shield protects woodwork within 18" of furnace, etc.	A push stick is available for use with power saws.						
Keep flammable materials away from stoves, furnaces, etc.							
A wrench is stored near the shut-off valve of outside gas line.	General						
- 1 - 1 - 1 -	At least one smoke detector in each bedroom & garage.						
Porch, Yard, and Garage	Everything has a place and is in its place.						
Railings and banisters are sound and inspected periodically.	Stepladders are in good repair and stored out of the way.						
Steps and walks are kept free from ice and snow.	Window screens and storm windows are securely fastened.						
Yard/play space are free from holes, stones, glass, etc.	Guns are stored unloaded and in locked cases.						
Tools and dangerous articles are out of reach of children.	Guns and ammunition are stored separately.						
Dangerous products & chemicals are kept in original	Children are permitted to use only blunt-end scissors.						
containers in locked storage areas.	Housework clothing has no drooping sleeves, sashes, or frills.						
Wires and low fences are brightly painted or clearly marked.	 Shoes worn for housework have low heels. All shoes are in good repair. Kerosene, gasoline, paint thinners, and other volatile materials are stored outside in special, clearly marked metal containers. Oil mops, dust rags, painting equipment, and other oily materials are stored outside in open metal containers. 						
Wells, cisterns, and pits are kept securely covered.							
Disposable materials are not burned outside.							
An area is marked off in the garage for bicycles, wagons, etc.							
Lawn mower is equipped with proper safeguards.							
Electrical Devices and Fixtures							
Electrical fixtures and appliances are located & used beyond	Everyone turns on a light before entering a dark room.						
arm's length of the sink, stove, tub, shower, or other grounded	Matches are extinguished before they're thrown away.						
metal unless outlet is protected by a ground-fault interrupter.	Children are never permitted to play with matches.						
Do not touch electrical fixtures or appliances with wet hands.	Fire extinguishers are readily available.						
Disconnect seldom-used appliances when not in use.	For Forence						
All pull-type sockets have an insulating link.	For Emergency						
Household appliances are disconnected before repairs.	Know how to get emergency help (911, poison control, etc.).						
Unused, open, screw-type sockets are plugged closed.	Be able to find water, gas, & electric shutoffs. Check						
Frayed or worn electric cords are promptly replaced.	annually.						
Long trailing cords are not in evidence.	First aid kit approved by your doctor/American Red Cross.						
Cords are kept out from under rugs, doors, and furniture.	Know basic first aid procedures.						
UA-approved extension cords are the proper size.	Have a fire escape plan from your home.						
Children are taught never to touch electric sockets or fixtures.	Emergency water supply.						
Fuses are adequate for the load and are not bypassed.	Handheld flashlights readily available.						
Circuit breakers are not overloaded.	In earthquake-prone areas, make sure that the water heater and bookcases are bolted to the walls						

Attachment – (NOTE: It is not necessary to print this page.)

Important excerpts from the 'Guide To Advancement', No. 33088:

Effective January 1, 2012, the 'Guide to Advancement' (which replaced the publication 'Advancement Committee Policies and Procedures') is now the official Boy Scouts of America source on advancement policies and procedures.

- [Inside front cover, and 5.0.1.4] Unauthorized Changes to Advancement Program
 No council, committee, district, unit, or individual has the authority to add to, or subtract from, advancement requirements.
 (There are limited exceptions relating only to youth members with disabilities. For details see section 10, "Advancement for Members With Special Needs".)
- [Inside front cover, and 7.0.1.1] The 'Guide to Safe Scouting' Applies

 Policies and procedures outlined in the 'Guide to Safe Scouting', No. 34416, apply to all BSA activities, including those related to advancement and Eagle Scout service projects. [Note: Always reference the online version, which is updated quarterly.]

• [7.0.3.1] — The Buddy System and Certifying Completion

Youth members must not meet one-on-one with adults. Sessions with counselors must take place where others can view the interaction, or the Scout must have a buddy: a friend, parent, guardian, brother, sister, or other relative —or better yet, another Scout working on the same badge— along with him attending the session. When the Scout meets with the counselor, he should bring any required projects. If these cannot be transported, he should present evidence, such as photographs or adult certification. His unit leader, for example, might state that a satisfactory bridge or tower has been built for the Pioneering merit badge, or that meals were prepared for Cooking. If there are questions that requirements were met, a counselor may confirm with adults involved. Once satisfied, the counselor signs the blue card using the date upon which the Scout completed the requirements, or in the case of partials, initials the individual requirements passed.

• [7.0.3.2] — Group Instruction

It is acceptable—and sometimes desirable—for merit badges to be taught in group settings. This often occurs at camp and merit badge midways or similar events. Interactive group discussions can support learning. The method can also be attractive to "guest experts" assisting registered and approved counselors. Slide shows, skits, demonstrations, panels, and various other techniques can also be employed, but as any teacher can attest, not everyone will learn all the material.

There must be attention to each individual's projects and his fulfillment of *all* requirements. We must know that every Scout — actually and *personally*— completed them. If, for example, a requirement uses words like "show," "demonstrate," or "discuss," then every Scout must do that. It is unacceptable to award badges on the basis of sitting in classrooms *watching* demonstrations, or remaining silent during discussions. Because of the importance of individual attention in the merit badge plan, group instruction should be limited to those scenarios where the benefits are compelling.

• [7.0.3.3] — Partial Completions

Scouts need not pass all requirements with one counselor. The Application for Merit Badge has a place to record what has been finished — a "partial." In the center section on the reverse of the blue card, the counselor initials for each requirement passed. In the case of a partial completion, he or she does not retain the counselor's portion of the card. A subsequent counselor may choose not to accept partial work, but this should be rare. A Scout, if he believes he is being treated unfairly, may work with his Scoutmaster to find another counselor. An example for the use of a signed partial would be to take it to camp as proof of prerequisites. Partials have no expiration except the 18th birthday.