



2024 Edition

SCOUTMASTER BUCKY

Fire Safety Merit Badge

SCOUTS PARTICIPATING IN A SCOUTMASTER BUCKY MERIT BADGE OPPORTUNITY (ONLINE OR IN PERSON), PLEASE CONSIDER ALSO USING THE FIRE SAFETY MERIT BADGE CLASS PREPARATION PAGE FOR CLARIFICATIONS, INSIGHTS, AND EXPECTATIONS.

<https://scoutmasterbucky.com/merit-badges/fire-safety/fire-safety-cpp.pdf>

FIRE SAFETY MERIT BADGE WORKBOOK

REQUIREMENT 1a: Demonstrate the technique of stop, drop, cover, roll, cover your face, and cool.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 1a: Explain how burn injuries can be prevented.

Notes:

REQUIREMENT 1b: List the most frequent causes of burn injuries.

Notes:



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REQUIREMENT 1c: Explain how to safely store flammable and combustible liquids. Describe the options available for safely disposing of unwanted hazardous substances in your community.

Notes:

REQUIREMENT 2: Explain the concept of fire.

Notes:



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REQUIREMENT 2: Name the parts of the fire tetrahedron.

Notes:

REQUIREMENT 2: Name the by-products of combustion.

Notes:

REQUIREMENT 2: Describe the life cycle of a fire.

Notes:



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REQUIREMENT 3: Name the most frequent causes of fire in the home, and give examples of ways they can be prevented.

CAUSE #1:

Cause:

Prevention Methods:

CAUSE #2:

Cause:

Prevention Methods:

CAUSE #3:

Cause:

Prevention Methods:



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CAUSE #4:

Cause:

Prevention Methods:

CAUSE #5:

Cause:

Prevention Methods:

CAUSE #6:

Cause:

Prevention Methods:



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CAUSE #7:

Cause:

Prevention Methods:

CAUSE #8:

Cause:

Prevention Methods:

CAUSE #9:

Cause:

Prevention Methods:



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REQUIREMENT 3: Include a discussion about fires caused by smoking in the home, cooking, candles, fireplaces, and electrical appliances.

SMOKING IN THE HOME:

Cause:

Prevention Methods:

COOKING:

Cause:

Prevention Methods:

CANDLES:

Cause:

Prevention Methods:



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FIREPLACES:

Cause:

Prevention Methods:

ELECTRICAL APPLIANCES:

Cause:

Prevention Methods:

REQUIREMENT 4a: Explain the four classifications of fire origin (accidental, natural, incendiary, or undetermined) and give an example of each.

ACCIDENTAL:

Explanation:

Example:



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NATURAL:

Explanation:

Example:

INCENDIARY:

Explanation:

Example:

UNDETERMINED:

Explanation:

Example:



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REQUIREMENT 4b: Describe how a fire classified as incendiary might lead to criminal prosecution of a person charged with arson.

Notes:

REQUIREMENT 4c: Explain some of the social, economic, and environmental consequences that result from incendiary fires that damage or destroy structures and wildlands.

Social:

Economic:

Environmental:



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REQUIREMENT 5: List the actions and common circumstances that cause seasonal and holiday-related fires. Explain how these fires can be prevented.

CAUSE #1:

Cause:

Prevention Methods:

CAUSE #2:

Cause:

Prevention Methods:

CAUSE #3:

Cause:

Prevention Methods:



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CAUSE #4:

Cause:

Prevention Methods:

CAUSE #5:

Cause:

Prevention Methods:

CAUSE #6:

Cause:

Prevention Methods:



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Sample Home Safety Checklist

Check safety steps that are being taken 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

- Stairways with three or more steps have a strong handrail.
- Stairs/halls are kept free from boxes, toys, brooms, tools, etc.
- Gates at top and bottom of stairs prevent children from falling.
- The head and foot of stairs have no small or loose rugs.
- Stair carpeting or covering is fastened securely.
- Stairways & halls have good lighting, controllable at each end.

Kitchen

- Matches are kept where children cannot get them.
- Knives & sharp instruments are kept in knife drawers or holder.
- Can openers don't leave sharp edges on cans.
- Disinfectants & cleaning products are out of reach of children.
- Pan handles are turned away from stove edges.
- Spilled grease, water, or bits of food are wiped up immediately.
- Pot holders are within easy reach.
- A fire extinguisher is mounted near the stove.

Bathroom

- Tub and shower are equipped with strong handholds.
- Tub floor has non-slip surface.
- Poisons are marked, sealed shut, and out of reach of children.
- Medicines are out of reach of children in childproof containers.
- No one takes medicine in the dark.

Living Room and Dining Room

- Furniture is placed to allow easy passage in an emergency.
- Before bedtime, furniture placement is checked for orderliness.
- Furniture and woodwork solid, in good repair, and free from.
- Fireplace screen fits snugly.
- Rugs are fastened or laid on non-slip pads.
- Rugs are kept from curling at their edges.
- Wax on floors is thoroughly buffed.
- Fire in fireplace is extinguished at bedtime.
- Candles are in stable holders and fully extinguished after use.

Bedroom

- Smoke alarm has fresh battery or electrical connection & is tested regularly.
- Carbon monoxide detector has fresh battery or electrical connection and is tested regularly.
- Furniture placement for clear passage between bed and door.
- Light switch or lamp is within easy reach from bed.
- A night-light illuminates bedroom or hall.
- Bureau and dresser drawers are closed when not in use.
- Bar across bunk beds helps prevent falls.
- Children are taught not to lean against windows or screens.
- Sturdily screen low windows to prevent children from falling.
- Smoking in bed is prohibited.
- Gas and electric heating devices are turned off at bedtime.

Nursery

- Bars on cribs are closely spaced.
- Crib is approved by Consumer Products or similar.
- Crib is free from sharp edges or corners.
- Sleeping garments and covers keep baby warm without danger of smothering.
- Pillows are kept out of bassinet or crib.
- No thin, plastic material is in or near the crib.
- 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.

Stoves, Furnaces, and Heaters

- Stoves are away from curtains.
- Stoves & furnaces are inspected & cleaned annually.
- Gas burners are properly adjusted and free from leaks.
- Gas water and space heaters are equipped with vents or flues.
- Water heater or boiler has a safety valve & is checked yearly.
- Flames of gas burners are protected from drafts.
- Insulating shield protects woodwork within 18" of furnace, etc.
- Keep flammable materials away from stoves, furnaces, etc.
- A wrench is stored near the shut-off valve of outside gas line.

Attic and Basement

- Ladder is strong, solid, and sturdily constructed.
- Stairway is sturdy and well lighted.
- Walls and beams are free from protruding nails.
- Fuses or circuit breakers are the proper size.
- Rubbish & flammable materials are in covered metal cans.
- Wastepaper is kept away from furnace and stairs.

Porch, Yard, and Garage

- Railings and banisters are sound and inspected periodically.
- Steps and walks are kept free from ice and snow.
- Yard/play space are free from holes, stones, glass, etc.
- Tools and dangerous articles are out of reach of children.
- Dangerous products & chemicals are kept in original containers in locked storage areas.
- Wires and low fences are brightly painted or clearly marked.
- 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.

Workshop

- Good ventilation exists, especially when sanding.
- Safety goggles and/or face mask are available, with eyewash.
- Baking soda is kept handy to neutralize acid burns.
- All electrical tools are either three-wire or double-insulated.
- Work area is well lit & free of clutter, scraps, and rags.
- All tools have a place & are in their place.
- Guards are in place on all power tools.
- A push stick is available for use with power saws.

Electrical Devices and Fixtures

- Electrical fixtures and appliances are protected by a ground-fault interrupter.
- Do not touch electrical fixtures or appliances with wet hands.
- Disconnect seldom-used appliances when not in use.
- All pull-type sockets have an insulating link.
- Household appliances are disconnected before repairs.
- Unused, open, screw-type sockets are plugged closed.
- Frayed or worn electric cords are promptly replaced.
- Long trailing cords are not in evidence.
- Cords are kept out from under rugs, doors, and furniture.
- UA-approved extension cords are the proper size.
- Children are taught never to touch electric sockets or fixtures.
- Fuses are adequate for the load and are not bypassed.
- Circuit breakers are not overloaded.

General

- At least one smoke detector in each bedroom & garage.
- Everything has a place and is in its place.
- Stepladders are in good repair and stored out of the way.
- Window screens and storm windows are securely fastened.
- Guns are stored unloaded and in locked cases.
- Guns and ammunition are stored separately.
- Children are permitted to use only blunt-end scissors.
- Housework clothing has no drooping sleeves, sashes, or frills.
- Shoes worn for housework have low heels.
- All shoes are in good repair.
- Kerosene, gasoline, and other volatile materials are stored outside in special, clearly marked metal containers.
- Rags, mops, painting equipment, and other oily materials are stored outside in open metal containers.
- Everyone turns on a light before entering a dark room.
- Matches are extinguished before they're thrown away.
- Children are never permitted to play with matches.
- Fire extinguishers are readily available.

For Emergency

- Know how to get emergency help (911, poison control, etc.).
- Be able to find water, gas, & electric shutoffs. Check annually.
- First aid kit approved by your doctor/American Red Cross.
- Know basic first aid procedures.
- Have a fire escape plan from your home.
- Emergency water supply.
- Handheld flashlights readily available.



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CONDUCT A HOME SAFETY SURVEY WITH THE HELP OF AN ADULT, THEN DO THE FOLLOWING REQUIREMENT COMPONENTS FOR REQUIREMENT 6

REQUIREMENT 6: Conduct a home safety survey with the help of an adult. Then do the following:

Adult's Name _____

Phone _____

Adult's Signature _____

Date _____

*completed
Home Safety Survey*

REQUIREMENT 6a: Draw a home fire-escape plan, create a home fire-drill schedule, and conduct a home fire drill.

Adult's Name _____

Phone _____

Adult's Signature _____

Date _____

*Completed
Requirement 6A*



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REQUIREMENT 6b: Identify the location of all smoke alarms in your home and confirm that none are more than 10 years old.

Large grid area for drawing or writing.

REQUIREMENT 6b: Test each smoke alarm (in your home).

Adult's Name

Phone

Adult's Signature

Date

*Completed
Tested all Fire
Alarms in house*

REQUIREMENT 6b: Demonstrate regular maintenance of a smoke alarm.

Notes:



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REQUIREMENT 6c: Explain what to do when you smell natural gas and when you smell smoke.

Notes:

REQUIREMENT 6d: Explain how you would report a fire to have the fire department respond.

Notes:



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REQUIREMENT 6e: Explain what fire safety equipment can be found in public buildings.

Notes:

REQUIREMENT 6f: Explain who should use fire extinguishers and when these devices can be used.

Notes:



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REQUIREMENT 6g: Explain how to extinguish a stovetop pan fire.

Notes:

REQUIREMENT 6h: Explain what fire safety precautions you should take when you are in a public building.

Notes:



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REQUIREMENT 7a: Demonstrate lighting a match safely, the proper way to extinguish it and to dispose of it.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

BE PREPARED! TO DEMONSTRATE WITH YOUR MERIT BADGE COUNSELOR

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REQUIREMENT 7b: Demonstrate the safe way to start a charcoal fire.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

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REQUIREMENT 7c: Demonstrate how to safely light a candle.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

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REQUIREMENT 7c: Discuss with your counselor how to safely use candles.

Notes:



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REQUIREMENT 8: Explain the difference between combustible and noncombustible liquids.

Combustible Liquids:

Noncombustible Liquids:

REQUIREMENT 8: Explain the difference between combustible and noncombustible fabrics.

Combustible Fabrics:

Noncombustible Fabrics:



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REQUIREMENT 9a: Describe for your counselor the safe way to refuel a liquid fueled engine, such as a lawn mower, weed eater, outboard motor, farm machine, or automobile with fuel from an approved gasoline container.

Notes:

REQUIREMENT 9b: Demonstrate the safety factors, such as proper ventilation, for auxiliary heating devices and the proper way to fuel those devices.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

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Notes:



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REQUIREMENT 10a: Explain the costs associated with outdoor and wildland fires and how they can be prevented.

Costs:

Prevention Methods:



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REQUIREMENT 10b: Demonstrate setting up and putting out a cooking fire.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

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Notes:

REQUIREMENT 10c: Demonstrate using a camp stove and lantern.

Be sure to review the merit badge pamphlet for preparation information on this requirement.

This requirement component must be reviewed with your merit badge counselor.

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Notes:



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REQUIREMENT 10d: Explain how to set up a campsite safe from fire.

Notes:

REQUIREMENT 11: Visit a fire station.

Fire Station Location:

Date of Visit and who you met with:

Notes:



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REQUIREMENT 11: Identify the various types of fire trucks and describe the functions of each.

VEHICLE #1:

Type:

Notes:

VEHICLE #1:

Type:

Notes:

VEHICLE #1:

Type:

Notes:

VEHICLE #1:

Type:

Notes:



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REQUIREMENT 11: Find out about the fire prevention activities in your community during your visit.

Notes:

REQUIREMENT 12: Determine if smoke detectors are required in all dwellings within your municipality. If so, explain which specific types are required. Tell your counselor what type of smoke detectors your house has or needs.

Notes:



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REQUIREMENT 13: Choose three career opportunities related to fire safety.

Career Opportunity #1:

Career Opportunity #2:

Career Opportunity #3:

REQUIREMENT 13: Choose a fire safety–related career that interests you and describe the level of education required and responsibilities of a person in that position.

Selected Career Opportunity:

Educational Requirements:

Responsibilities:

REQUIREMENT 13: Tell why this position interests you.

Notes: