



Fire Safety

Merit Badge Workbook

This workbook is not required but is designed to help you with this merit badge. No one can add or subtract from the Boy Scout Requirements #33215. Use page backs & add pages as needed. Please send comments to: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: January 2005.

Scout's Name: _____

Unit: _____

Counselor's Name: _____

Counselor's Ph #: _____

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 the parts of the fire tetrahedron. 1) _____ 2) _____

3) _____ 4) _____

Explain why vapors are important to the burning process. _____

Name the products of combustion. _____

Give an example of how fire grows and what happens. _____

3. Name the most frequent causes of fire in the home and give examples of ways it can be prevented.

Cause: _____ Prevention: _____

Cause: _____ Prevention: _____

Cause: _____ Prevention: _____

Cause: _____ Prevention: _____

Cause: _____ Prevention: _____

4. Do the following:

(a) Explain the role of human behavior in the arson problem in this country. _____

(b) List the actions that cause seasonal fires and explain how these fires can be prevented.

Action: _____ Prevention: _____

Action: _____ Prevention: _____

Action: _____ Prevention: _____

Action: _____ Prevention: _____

5. List the common circumstances that cause holiday-related fires and explain how these fires can be prevented.

Circumstance: _____ Prevention: _____

Circumstance: _____ Prevention: _____

Circumstance: _____ Prevention: _____

Circumstance: _____ Prevention: _____

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

(a) Draw a home fire escape plan,

create a home fire-drill schedule, and conduct a home fire drill. _____

(b) 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. _____

(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. _____

(h) Explain what fire safety precautions you should take when you are in a public building. _____

7. Do the following:

(a) Demonstrate lighting a match safely.

(b) Demonstrate the safe way to start a charcoal fire.

(c) Demonstrate the safe way to melt wax.

8. Explain the difference between combustible and noncombustible liquids _____

and between combustible and noncombustible fabrics. _____

9. Do the following:

(a) Demonstrate the safe way to fuel a lawn mower.

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

10. Do the following:

(a) Explain the cost of outdoor and wildland fires _____

and 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. _____

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 of a person in that position. _____

Tell why this position interests you _____
