



# Fire Safety

## Merit Badge Worksheet

2010 Rev. Created  
by Craig Long 2010

Scouts Name \_\_\_\_\_

Date \_\_\_\_\_

Counselor's Name \_\_\_\_\_

Counselor's Phone # \_\_\_\_\_

Complete

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. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

2. Explain the chemistry and physics of fire. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name the parts of the fire tetrahedron. \_\_\_\_\_  
\_\_\_\_\_

Explain why vapors are important to the burning process. \_\_\_\_\_  
\_\_\_\_\_

Name the products of combustion. Give an example of how fire grows and what happens. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

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

Include a discussion about fires caused by smoking \_\_\_\_\_

\_\_\_\_\_

home, cooking \_\_\_\_\_

\_\_\_\_\_

candles \_\_\_\_\_

\_\_\_\_\_

fireplaces \_\_\_\_\_

\_\_\_\_\_

electrical appliances \_\_\_\_\_

\_\_\_\_\_

Complete

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. \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Complete

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

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Complete

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. Date Completed \_\_\_\_\_

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. \_\_\_\_\_

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d. Explain how you would report a fire alarm. \_\_\_\_\_

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e. Explain what fire safety equipment can be found in public buildings. \_\_\_\_\_

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

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g. Explain how to extinguish a grease pan fire. \_\_\_\_\_

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h. Explain what fire safety precautions you should take when you are in a public building. \_\_\_\_\_

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Complete

7. Do the following:

a. Demonstrate lighting a match safely. or explain \_\_\_\_\_

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b. Demonstrate the safe way to start a charcoal fire. or explain \_\_\_\_\_

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c. Demonstrate the safe way to melt wax. or explain \_\_\_\_\_

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Complete

8. Explain the difference between combustible and noncombustible liquids \_\_\_\_\_

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between combustible and noncombustible fabrics. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

9. Do the following:

a. Demonstrate the safe way to fuel a lawn mower. Date Completed \_\_\_\_\_

b. Explain the safety factors, such as proper ventilation, for auxiliary heating devices and the proper way to fuel those devices. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

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. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

11. Visit a fire station. Identify the types of fire trucks. Find out about the fire prevention activities in your community. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Complete

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. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_