

**Your name**

(Print your name on the line.)

• silver merit •

# Frontier Blacksmith

## MERIT REQUIREMENTS CHECKLIST

### INTRODUCTION

The Frontier Blacksmith merit is a part of the Arrowhead merit series developed by the Frontiersmen Camping Fellowship (FCF). Although Arrowhead merits are intended to provide FCF members with specialized training on advanced frontier skills, any Royal Rangers boy may earn an Arrowhead merit and any Royal Rangers leader may teach an Arrowhead merit regardless of FCF membership status. As with any merit, the boy's group leader approves the completion of all Arrowhead merits.

Boys seeking to earn this skill merit or adult leaders seeking to earn the related Arrowhead award must accumulate a minimum of 15 points from any combination of the following requirements. For information on Arrowhead merits and Arrowhead awards, refer to the *Frontiersmen Camping Fellowship Handbook* (2014 edition).

### MERIT REQUIREMENTS

1. Read a book about blacksmithing methods, techniques, and tools. (1 point)
  
2. Name four items that could be produced by a blacksmith. (1 point)
  
3. Explain the following techniques of blacksmithing: (1 point)
  - a. Forging
  - b. Welding
  - c. Heat treating
  - d. Finishing
  
4. Build a working blacksmith forge. (3 points)

Leader's  
Initials \_\_\_\_\_

Date \_\_\_\_\_

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5. Use a hammer and anvil to make a chisel. (1 point)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
6. Use the chisel you made in requirement 5 on another blacksmithing project. (1 point)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
7. Describe the following blacksmithing techniques employed in forging: (1 point)
- a. Drawing
  - b. Shrinking
  - c. Bending
  - d. Upsetting
  - e. Punching
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
8. Weld two pieces of metal together using blacksmithing techniques. Use the welded metal in a blacksmithing project. (1 point)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
9. Build a lantern stand. Give it to another Royal Ranger or present it to the local FCF chapter or Royal Rangers district to sell or use as a prize. (2 points)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
10. Build a hammer-forged tripod. Give it to another Royal Ranger or present it to the local FCF chapter or Royal Rangers district to sell or use as a prize. (3 points)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
11. Use hammer-forging techniques to construct a functional knife or tomahawk. (3 points)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
12. Use a forge, hammer, and anvil to make a functional striker. Give it to another Royal Ranger as part of a fire-starting kit. (2 points)
- Leader's Initials \_\_\_\_\_  
Date \_\_\_\_\_
- Date Completed \_\_\_\_\_