

Blacksmithing

Worksheet by the Merit Badge Center, Philippines



Last Updated: March 22, 2021

This worksheet was created to assist Scouts with their merit badge work. The worksheet does not replace the actual merit badge counseling process. A certified merit badge counselor for the badge must still certify your completion of each requirement and the merit badge. If a requirement says that you must take an action using words such as “discuss”, “show”, “tell”, “explain”, “demonstrate”, “identify”, etc. that is what you must do. **Merit badge counselors may not require the use of this worksheet or any similar material.** No one may add, subtract, or modify the official requirements for the merit badge as prescribed by the Boy Scouts of the Philippines.

Scout's Name: _____ Unit: _____

Requirement 1. Show how to build a fire in a forge using either charcoal, coal, or wood.

Requirement 2. List the operations in forging, and the corresponding tools to be used.

List the operations in forging.

Requirement 3. Make a tent hook, stock 3/8" in diameter.

Show the tent hook you made to your Merit Badge Counselor.

Merit Badge Counselor's Signature

Date

Requirement 4. Make a simple hunting knife, or a small bolo.

Show the hunting knife or small bolo you made to your Merit Badge Counselor.

Merit Badge Counselor's Signature

Date

Requirement 5. Make a lap welded ring of 1/4" stock (5" in diameter).

Show the lap welded ring you made to your Merit Badge Counselor.

Merit Badge Counselor's Signature

Date

Requirement 6. Make a color scale for tempering different tools. For example: tool, color, temperature, bath, uses.

Tool	Color	Temperature	Bath	Uses

Requirement 7. Demonstrate how to temper the following tools according to temperature scale: knife, bolo, ax, iron bar, hatchet, cold chisel.

Knife	
-------	--

Bolo	
------	--

Ax	
----	--

Iron Bar	
----------	--

Hatchet	
---------	--

Cold Chisel	
-------------	--