

Wildland Fire Management Merit Badge

Fillable Worksheet

<https://merit-badge.university/merit-badges/wildland-fire-management/requirements/>

Scout Name

Unit

Date

1. History of Wildland Fire.

Research and discuss with your counselor the history of wildland fire, its suppression, prevention, and management in the United States.

2. Harms of Wildfire.

Research the harm caused by wildfire in the United States, including annual acres burned for the past three years.

Discuss with your counselor. Include the negative impacts that wildfire has on the following:

Discussed with counselor

a. Commercial forest products

Completed

b. Fish and wildlife habitat

Completed

c. Soil and water

Completed

d. Recreation and public use

Completed

e. Homes, communities, and human resources

Completed

f. Air quality and public health

Completed

3. Fire as a Management Tool.

Discuss with your counselor how prescribed fire is used to accomplish the following:

Discussed with counselor

a. Fuel reduction

Completed

b. Fish and wildlife habitat enhancement

Completed

c. Ecosystem restoration

Completed

d. Forest regeneration

Completed

e. Insect and disease control

Completed

4. Wildfire Prevention and Mitigation. Discuss the following with your counselor:

a. Wildfire Prevention:

Completed

1. The main causes of wildfire in the United States

Completed

2. How you can prevent human caused wildfires in your community and on outings with your unit.

b. Wildfire Mitigation:

Completed

1. Wildland-Urban Interface

Completed

2. Defensible space and how homes and communities in the wildland-urban interface can be protected from wildfire

Completed

5. Fire Behavior.

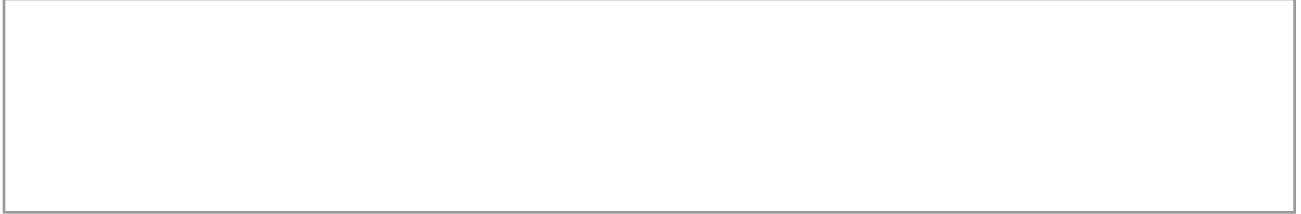
Do the following:

a. Discuss with your counselor how the fire environment affects wildland fire behavior. Include examples of the influences of weather, topography, and fuel.

Discussed with counselor

b. Explain how a wildfire can be suppressed by removing heat, fuel, or oxygen.

c. Draw a diagram to illustrate the parts of a wildfire.



6. Wildland Firefighter Safety.

Do the following:

a. Discuss with your counselor the personal protective equipment used by wildland firefighters and its use.

Discussed with counselor

b. Discuss the following with your counselor, including why each is an important consideration for maintaining personal safety and situational awareness during wildland fire suppression activities:

Discussed with counselor

1. 10 Standard Firefighting Orders

2. 18 Watch Out Situations

3. Lookouts, Communication, Escape Routes, and Safety Zones (LCES)

7. Wildfire Suppression Tactics.

Do the following:

a. Alone or with a small team, using the diagram you created in Requirement 5(c) or a map of a wildfire, and tokens to represent firefighting resources, demonstrate the following wildland fire suppression tactics. Explain under which conditions each tactic would be used:

1. Direct attack

2. Indirect attack

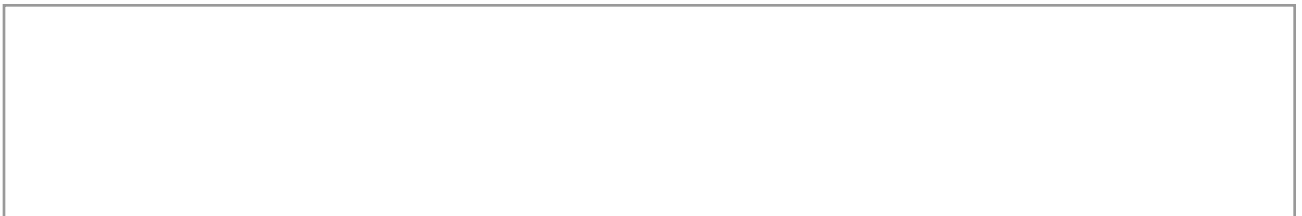
3. Minimum impact suppression tactics

4. Use of hand crews, machinery, and aircraft

5. Mop-up

6. Repair and restoration

b. Draw a diagram of the Incident Command System. Alone or with your team, explain the responsibilities of the Command and General Staff positions on a wildfire incident.



8. Wildfire Suppression Tools.

Do the following:

a. Demonstrate the use of three hand tools unique to wildland fire suppression. Use one of these tools to demonstrate how to construct a fireline.

Completed

b. Discuss seven other tools, equipment, or apparatus that are unique to wildland fire suppression and explain how these resources are used.

9. Taking Action. Do ONE of the following:

Complete 1 of the following:

a. Develop a fire readiness plan for a wildland area with which you are familiar. The plan should include a map showing available resources, water supplies, natural and manmade barriers, and access. The plan should discuss fuel loads, available fire apparatus, structure protection needs, values at risk, medical and evacuation considerations and potential fire suppression tactics.

Discussed with counselor

b. Visit with a state or federal forestry official or your local fire warden.

Discuss the causes of and types of wildland fire that occur in your area.

Discussed with counselor

Discuss the prime fire season(s) in your area.

Discussed with counselor

Identify the agency responsible for wildland fire suppression in your area.

Discuss what you learned with your counselor.

Discussed with counselor

c. Conduct a Firewise assessment of a home or a building in the wildland-urban interface, which could include a Scout camp building or facility.

Completed

Identify potential risks and fire hazards.

With your counselor's approval, complete a project to reduce the wildfire risk and increase the preparedness of the building.

Write a brief report about what you did and learned from the assessment and project.

d. Meet with a Fire Prevention Specialist or a local fire official to learn about fire prevention efforts in your community. From what you learned, prepare a fire prevention message (skit, video, or billboard concept) and share with your counselor and troop (or other group approved by your counselor).

Completed

e. Meet with a meteorologist or someone familiar with fire weather and discuss the fire weather concerns and typical fire seasons that exist in your area.

Discussed with counselor

Discuss the conditions that lead to a Fire Weather Watch or a Red Flag Warning.

Discussed with counselor

Discuss what you learned with your counselor.

Discussed with counselor

10. Apply Your Learning to a Real Event.

Research an historic catastrophic wildland fire incident that occurred in the United States.

Discuss with your counselor and/or your troop or a group approved by your counselor the conditions that led to the incident, how the incident was managed, and how the incident could have been prevented.

Discussed with counselor

Explain what lessons were learned and how this incident affected future fire suppression policy or suppression tactics.

11. Careers in Wildland Fire Management.

Explore careers related to this merit badge.

Research one career to learn about the training and education needed, costs, job prospects, salary, job duties, and career advancement. Your research methods may include-with your parent or guardian's permission-an internet or library search, an interview with a professional in the field, or a visit to a location where people in this career work.

Discuss with your counselor both your findings and what about this profession might make it an interesting career.

Discussed with counselor