Merit Badge Requirement Worksheet

All Prerequisites are noted with **and Highlighted, answers should be TYPED or CLEARLY handwritten.

YOU MUST MEET WITH THE COUNSELOR AT THE EAGLE FLIGHT "HOMETOWN" MEETINGS TO DISCUSS YOUR INTEREST IN COMPLETING THIS MERIT BADGE

Search and Rescue

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet.

The work space provided for each requirement should be used by the Scout to make notes for discussing the item with his counselor, not for providing the full and complete answers. Each Scout must do each requirement. Online Resources

No one may add or subtract from the official requirements found in Boy Scout Requirements (Pub. 33216 – SKU 34765).

The requirements were last issued or revised in 2006 • This workbook was updated in April 2013.

Scout’s Name: ___________________________________________ Unit: Eagle Flight 2013

Counselor’s Name: Pete Moreau ____________________________ Counselor’s Phone No.: 585-461-4664

Counselor’s email: Search@eagle-flight.org

This badge is a very difficult badge to complete -- scouts really need to read the SAR merit badge booklet to get the information to complete the requirement sections. Mr. Moreau can suggest other reading materials on search and rescue -- details will be available at the "hometown" Eagle Flight meetings.

***PLEASE NOTE #5 MANDATORY FOR COMPLETION OF BADGE***

1. Do the following:
   a. Explain to your counselor the hazards you are most likely to encounter while participating in search and rescue (SAR) activities, and what you should do to anticipate, help prevent, mitigate, and respond to these hazards.

   Hazards: ____________________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

   What you should do: ____________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

   b. Discuss first aid and prevention for the types of injuries or illnesses that could occur while participating in SAR activities, including: snakebites, dehydration, shock, environmental emergencies such as hypothermia or heatstroke, blisters, and ankle and knee sprains.

   Snakebites: __________________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

   Dehydration: __________________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

   Shock: ________________________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

   Hypothermia: __________________________________________
   ____________________________
   ____________________________
   ____________________________
   ____________________________

Eagle Flight Worksheets are to be used EXCLUSIVELY for Eagle Flight at Massawepie.

Standard worksheets are available on line at http://www.usscouts.org
2. Demonstrate knowledge to stay found and prevent yourself from becoming the subject of a SAR mission:

   a. How does the buddy system help in staying found and safe?

   b. How can knowledge of the area and its seasonal weather changes affect your plans?

   c. Explain how the Ten Essentials are similar to a "ready pack."

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3. Discuss the following with your counselor:
   a. The difference between search and rescue.

   b. The difference between PLS (place last seen) and LKP (last known point).

   c. The meaning of these terms:
      1. AFRCC (Air Force Rescue Coordination Center)
      2. IAP (Incident Action Plan)
      3. ICS (Incident Command System)
      4. Evaluating search urgency
      5. Establishing confinement
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6. Scent item

7. Area air scent dog

8. Briefing and debriefing

4. Find out who in your area has authority for search and rescue and what their responsibilities are.
   Who: ____________________________________________
   Responsibilities: __________________________________
   __________________________________________________
   __________________________________________________
   __________________________________________________
   __________________________________________________
   Discuss this with your counselor, and explain the official duties of a search and rescue team.
   __________________________________________________
   __________________________________________________
   __________________________________________________
   __________________________________________________
   __________________________________________________

***This requirement MUST be completed before arriving at camp. ***

IN ORDER TO COMPLETE THIS BADGE AT EAGLE FLIGHT 2013 YOU MUST COMPLETE THIS COURSE, AND TAKE THE TEST

5.  □ Complete the training for ICS-100, Introduction to Incident Command System. FEMA ICS-100 course (online)  
    ICS-100 Final Exam (online)
    □ Print out the certificate of completion and show it to your counselor.
    Discuss with your counselor how the ICS compares with Scouting’s patrol method.
    __________________________________________________
    __________________________________________________
    __________________________________________________
    __________________________________________________
    __________________________________________________

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6. Identify four types of search and rescue teams and discuss their use or role with your counselor.

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

Then do the following:
a. Interview a member of one of the teams you have identified above, and learn how this team contributes to a search and rescue operation. Discuss what you learned with your counselor.

__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

b. Describe the process and safety methods of working around at least two of the specialized SAR teams you identified above. 
1. ______________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________

2. ______________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
__________________________________________________________________________
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_________________________________________________________________________________________________________________________________________
_________________________________________________________________________________________________________________________________________
_________________________________________________________________________________________________________________________________________
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_________________________________________________________________________________________________________________________________________
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_________________________________________________________________________________________________________________________________________
_________________________________________________________________________________________________________________________________________

7. Discuss the Universal Transverse Mercator (UTM) system, latitude, and longitude.
   UTM System: ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________

   Latitude: ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________

   Longitude: ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________
   ____________________________________________________________________________________________________________

   Then do the following:
   □ a. Using a 1:24,000 scale USGS topographic map, show that you can identify a location of your choice using UTM coordinates.
   □ b. Using a 1:24,000 scale map, ask your counselor to give you a UTM coordinate on the map, then identify that location.
   □ c. Show that you can identify your current location using the UTM coordinates on your Global Positioning System unit and verify it on a 1:24,000 scale map.
   □ d. Determine a hypothetical place last seen, and point out an area on your map that could be used for containment using natural or human-made boundaries.

8. Choose a hypothetical scenario, either one presented in this merit badge pamphlet or one created by your counselor.
   Scenario: ____________________________________________________________________________________________________________
   Then do the following:

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**Merit Badge Requirement Worksheet**

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a. Complete an incident objectives form for this scenario.

b. Complete an Incident Action Plan (IAP) to address this scenario.

c. Discuss with your counselor the behavior of a lost person and how that would impact your incident action plan (for example, the differences between searching for a young child versus a teen)...

d. After completing 8a–8c, discuss the hypothetical scenario with your counselor

CAN BE DONE BEFORE COMING TO EAGLE FLIGHT CAMP. IF DONE WITH YOUR PATROL OR TROOP, COMPLETE A SIMPLE REPORT OF THE ACTIVITY, WHAT YOU LEARNED, AND THEN HAVE YOUR SCOUTMASTER SIGNIFY THAT IT WAS COMPLETED

9. Discuss with your counselor the terms hasty team and hasty search.
   Hasty team: ____________________________________________________

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Merit Badge Requirement Worksheet

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Hasty search: ____________________________________________________________

______________________________________________________________________

Then do the following:

☐ a. Plan and carry out a practice hasty search—either urban or wilderness—for your patrol or troop. Include the following elements in the search: clue awareness, evidence preservation, tracking the subject, and locating the subject using attraction or trail sweep.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

☐ b. When it's over, hold a team debriefing to discuss the hasty search. Discuss problems encountered, successful and unsuccessful tactics, and ideas for improvement.

______________________________________________________________________

______________________________________________________________________

______________________________________________________________________

10. Find out about three career or volunteer opportunities in search and rescue.

1. ________________________________________________________________

2. ________________________________________________________________

3. ________________________________________________________________

Pick one and find out the education, training, and experience required for this professional or volunteer position.

Opportunity: ________________________________________________________

Education: ____________________________________________________________

______________________________________________________________________

______________________________________________________________________

Training: ____________________________________________________________

______________________________________________________________________

______________________________________________________________________

Experience: __________________________________________________________

______________________________________________________________________

______________________________________________________________________

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Merit Badge Requirement Worksheet

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Discuss this with your counselor, and explain why this position might interest you.

<table>
<thead>
<tr>
<th>Requirement resources can be found here:</th>
<th><a href="http://www.meritbadge.org/wiki/index.php/Search_and_Rescue#Requirement_resources">http://www.meritbadge.org/wiki/index.php/Search_and_Rescue#Requirement_resources</a></th>
</tr>
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</table>
Merit Badge Requirement Worksheet

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YOU MUST MEET WITH THE COUNSELOR AT THE EAGLE FLIGHT “HOMETOWN” MEETINGS TO DISCUSS YOUR INTEREST IN COMPLETING THIS MERIT BADGE

SEARCH & RESCUE MERIT BADGE

I have added the following directions for Eagle Flight due to the limited time to complete the SAR badge at camp.

It is strongly recommended that you obtain a copy and READ the Search & Rescue merit badge pamphlet prior to arriving at Eagle Flight. There are also a number of excellent books on Search & Rescue; many of these books can be found in the local public library or on the Internet. I have compiled a list of reference materials.

Please review the work sheet and note that there is one requirement (5) that must be completed prior to coming to camp.

You must complete the Independent Study Course “IS-100.B: Introduction to Incident Command System, ICS-100” and print the FEMA certificate of completion. YOU MUST BRING this certificate to Eagle Flight to show to your counselor.

To enroll in this course, go to the FEMA web site at WWW.training.FEMA.gov and select “Emergency Management Institute”, then select “FEMA Independent study program”, then select “ISP course list” and finally, select “course: IS-100b”. This course takes about 3 to 4 hours to complete. When taking the course, take notes – they will be very helpful when taking the multiple choice exam at the end of the sessions.

In Requirement 7, you must discuss the UTM system and latitude/longitude and be able to plot coordinates on a 24,000 scale USGS topographic map. I suggest that you review how this system works – I have a USGS fact sheet that I will hand out in the “home town” sessions. I will supply a GPS unit at camp; you need to understand how the UTM system works in order to plot your position on a map.

Requirement 8 can be completed prior to camp with your troop or patrol. Please have your scoutmaster document that you completed this requirement.

IT IS STRONGLY RECOMMENDED THAT YOU COMPLETE THE WORK SHEET PRIOR TO ARRIVING AT EAGLE FLIGHT CAMP!

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## Search and Rescue Book List


JP Moreau 4-2013

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