



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

Scouts participating in a Scoutmaster Bucky merit badge opportunity, whether online or in person, should consider using the Search and Rescue merit badge pamphlet for discovery and knowledge, along with the class preparation pages for clarifications, insights, and expectations.

<https://scoutmasterbucky.com/merit-badges/search-and-rescue/search-and-rescue-pamphlet.pdf>

<https://scoutmasterbucky.com/merit-badges/search-and-rescue/search-and-rescue-cpp.pdf>

A NOTE ABOUT UNAUTHORIZED AND RESTRICTED ACTIVITIES

THE SCOUTING AMERICA'S GUIDE TO SAFE SCOUTING STATES UNDER "UNAUTHORIZED AND RESTRICTED ACTIVITIES" THAT FLYING IN AIRCRAFT AS PART OF A SEARCH AND RESCUE MISSION IS AN UNAUTHORIZED ACTIVITY FOR YOUTH MEMBERS. FOR COMPLETE INFORMATION, SEE SCOUTING AMERICA'S SCOUTING SAFELY WEB PAGE.

REQUIREMENT 1a: 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.

HAZARD #1

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HAZARD #2

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HAZARD #3

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HAZARD #4

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HAZARD #5

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HAZARD #6

Description:

Anticipate:

Help Prevent:

Mitigate:

Respond:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 1b: 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:

Prevention:

Symptoms:

Treatment:

DEHYDRATION:

Prevention:

Symptoms:

Treatment:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

SHOCK:

Prevention:

Symptoms:

Treatment:

HYPOTHERMIA:

Prevention:

Symptoms:

Treatment:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

HEATSTROKE:

Prevention:

Symptoms:

Treatment:

BLISTERS:

Prevention:

Symptoms:

Treatment:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

ANKLE AND KNEE SPRAINS:

Prevention:

Symptoms:

Treatment:

REQUIREMENT 2: Demonstrate knowledge to stay found and prevent yourself from becoming the subject of a SAR mission.

This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

Notes:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 2a: Discuss with your counselor how the buddy system helps in staying found and safe.

Notes:

REQUIREMENT 2b: Discuss with your counselor how knowledge of the area and its seasonal weather changes affect your plans.

Notes:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 2c: Explain how the Ten Essentials are similar to a "ready pack."

Sample Survival Kit

10 Essentials

Pocket Knife
First Aid Kit
Extra Clothing
Rain Gear
Water Bottle
Flashlight
Trail Food
Matches / Fire Starters
Sun Protection
Map and Compass



Additional Items to Consider

Emergency Blanket or Tarp
Duct Tape
Whistle
Signal Mirror
Thin Wire
Trash Bag
Fishing Line and Hooks
Water Treatment Tablets
Cordage
High Calorie Food
Multitool

Notes:

REQUIREMENT 3a: Discuss with your counselor the difference between *search* and *rescue*.

Notes:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 3b: Discuss with your counselor the difference between *PLS* (*place last seen*) and *LKP* (*last known point*).

Notes:

REQUIREMENT 3c: Explain the following 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
6. Scent item
7. Area air scent dog
8. Briefing and debriefing.

AFRCC (Air Force Rescue Coordination Center):

IAP (Incident Action Plan):



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

ICS (Incident Command System):

Evaluating search urgency:

Establishing confinement:

Scent item:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

Area air scent dog:

Briefing and Debriefing:

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

Person/Title:

Responsibilities:

Official Duties:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 5:

Working with your counselor, become familiar with the Incident Command System. You may use any combination of resource materials, such as printed or online. Discuss with your counselor how features of the ICS compare with Scouting's patrol method.

Notes:

REQUIREMENT 6:

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

TEAM TYPE #1:

Type:

Use or Role:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

TEAM TYPE #2:

Type:

Use or Role:

TEAM TYPE #3:

Type:

Use or Role:

TEAM TYPE #4:

Type:

Use or Role:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 6a: 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.

Person Interviewed and Title:

Date and Location of Interview:

Notes:

REQUIREMENT 6b: Describe the process and safety methods of working around at least two of the specialized SAR teams you identified above.

SELECTED TEAM TYPE #1:

Type:

Process and Safety Methods:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

SELECTED TEAM TYPE #2:

Type:

Process and Safety Methods:

REQUIREMENT 6c: Explain the differences between wilderness, urban, and water SARs.

Wilderness:

Urban:

Water:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

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

Notes:

REQUIREMENT 7a: Using a 1:24,000 scale USGS topographic map, show that you can identify a location of your choice using UTM coordinates.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 7b: Using a 1:24,000 scale map, ask your counselor to give you a UTM coordinate on the map, then identify that location.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 7c: Show that you can identify your current location using the UTM coordinates on a Global Positioning System (GPS) unit and verify it on a 1:24,000 scale map.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 7d: 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.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 8: Choose a hypothetical scenario, either one presented in the *Search and Rescue* merit badge pamphlet or one created by your counselor. Then do the following:

This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 8a: Complete an incident objectives form for this scenario.

This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 8b: Complete an Incident Action Plan (IAP) to address this scenario.

This requirement must be reviewed with your merit badge counselor.
BE PREPARED!

REQUIREMENT 8c: 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).

Notes:

REQUIREMENT 8d: After completing 8(a)-8(c), discuss the hypothetical scenario with your counselor.

Notes:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

REQUIREMENT 9: Discuss with your counselor the terms *hasty team* and *hasty search*.

Hasty Team:

Hasty Search:

REQUIREMENT 9a: 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.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

REQUIREMENT 9b: When it's over, hold a team debriefing to discuss the hasty search. Discuss problems encountered, successful and unsuccessful tactics, and ideas for improvement.

This requirement must be reviewed with your merit badge counselor.

BE PREPARED!

Notes:



Search and Rescue Merit Badge Workbook

SCOUTMASTER BUCKY

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

Career or Volunteer Opportunity #1:

Career or Volunteer Opportunity #2:

Career or Volunteer Opportunity #3:

REQUIREMENT 10: Pick one and find out the education, training, and experience required for this professional or volunteer position. Discuss this with your counselor.

Selected Career or Volunteer Opportunity:

Education Requirements:

Training Requirements:

Experience Requirements:

REQUIREMENT 10: Explain why this position might interest you.

Notes: