WHITEWATER MERIT BADGE WORKBOOK

This Scoutmaster Bucky Merit Badge Workbook is based off the current Scouts BSA Requirements.

Consider also using the Whitewater merit badge class preparation page for clarification and expections when participating in a Scoutmaster Bucky merit badge opportunity (online or in-person).

https://scoutmasterbucky.com/merit-badges/whitewater/

Scout's Name:
REQUIREMENT 1: Do the following:
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REQUIREMENT 1 A: Explain to your counselor the most likely hazards you may encounter while participating in whitewater activities, including branches and trees in water along a shore and stretching across the stream, rocks, hydraulics over ledges or low-head dams, strong wind, low water or air temperature, and thunder and lightning storms. Explain what you should do to anticipate, help prevent, mitigate, and respond to these hazards.
Most likely hazards
Anticipate hazards
Prevent hazards

Mitigate hazards				
Respond to hazards				
Respond to nazards				
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RECUIREMENT I B. Nev	view with your counselor th	ie prevention, symptoms	, and mist-ald treatment	t for the following
injuries or illnesses that c head, neck, and back inju	could occur while participatir uries; heat-related illnesses;	ng in whitewater activities sunburn; dehydration; b	s including cold-water sh plisters; bruises; cuts; sp	ock; hypothermia; orains and strains;
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Head, neck, and back injuries	
	,
Heat-related illnesses	
Sunburn	
Sunburn	
Dehydration	

Blisters	
Bruises	
	,
Cuts	
Cuts Sprains and strains	

Shoulder dislocation			
Cultura and an introduct			li
Submersion injuries			
REQUIREMENT 1 C: Discuss with your counselor the BSA	Safety Afloat nolic	cy and the American	Whitewater safety
guidelines, including the use of helmet and life jackets.	Salety Alloat polic	cy and the American	williewater safety
guidennes, including the use of heimet and me jackets.			
			1.
REQUIREMENT 2: Do the following:			

REQUIREMENT 2 A: Demonstrate understanding of the following river features by drawing lines to show the flow of water: upstream V, downstream V, eddy with an eddy line, ledge, river bend, current at different depths, drop, horizon line, and hydraulic.			
Upstream V	Downstream V	Eddy with an eddy line	
Ledge	River bend	Current at different deptsh	
Drop	Horizon line	Hydraulic	
REQUIREMENT 2 B: Describe how wave	es form including standing waves and wav	ve trains.	
TEQUITE II DESCRISE NOW WAY	es form including standing waves and wave	A COUNTY	

REQUIREMENT 2 C: Explain how to tilt or edge the boat without leaning your body
1 - When entering and exiting an eddy.
2 - When ferrying in downstream and upstream directions.
REQUIREMENT 2 D: Explain when, why, and how you should scout a river while ashore and while on the river and when you should portage your boat.
you should portage your boat.
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REQUIREMENT 3: Before doing requirements 4 through 12, earn the <u>Canoeing</u> merit badge if you will be using a canoe to earn this merit badge. If you will be using a kayak, earn the <u>Kayaking</u> merit badge. Then do the following:
DECLINEMENT 2 As if you will be using a sone to care this morit hadge demonstrate strates and managers from the
REQUIREMENT 3 A: If you will be using a canoe to earn this merit badge, demonstrate strokes and maneuvers from the <u>Canoeing</u> merit badge to the satisfaction of your merit badge counselor.
Completed
REQUIREMENT 3 B: If you will be using a kayak to earn this merit badge, demonstrate strokes and maneuvers from the
Kayaking merit badge to the satisfaction of your merit badge counselor.
Completed
REQUIREMENT 4: Do ONE of the following:

REQUIREMENT 4 A: If you are completing these requirements as a tandem canoeist, perform the following on calm water:
REQUIREMENT 4 A 1: Demonstrate the following strokes in the bow: cross forward, bow draw, cross bow draw, bow pry, and sculling draw.
Completed
REQUIREMENT 4 A 2: Demonstrate the following strokes in the stern: stern draw, stern pry, sculling draw, and forward with stern pry.
Completed
REQUIREMENT 4 A 3: Demonstrate a high brace, low brace, and righting pry.
Completed
REQUIREMENT 4 B: If you are completing these requirements as a solo canoeist, perform the following on calm water:
REQUIREMENT 4 B 1: Demonstrate the following strokes: cross forward, bow draw, cross bow draw, stern draw, pry, stern pry, sculling draw, and forward with stern pry.
Completed
REQUIREMENT 4 B 2: Demonstrate a high brace, low brace, and righting pry.
Completed
REQUIREMENT 4 C: If you are completing these requirements as a solo kayaker, perform the following on calm water:
REQUIREMENT 4 C 1: Demonstrate the following strokes: bow draw, rudder, and sculling draw.
Completed
REQUIREMENT 4 C 2: Demonstrate a high brace and low brace.
Completed
REQUIREMENT 5: Do the following:

REQUIREMENT 5 A: Explain the International Scale of River Difficulty and apply the scale to the stretch of river approved by your counselor.
REQUIREMENT 5 B: Identify the specific characteristics of the river that are factors in your classification according to the International Scale.
REQUIREMENT 5 C: Discuss how the level of flow changes a river from one class to another and what effects different
flow rates have on the features of a river and its hazards.
REQUIREMENT 6: Explain the importance of communication during every whitewater outing. Demonstrate knowledge and ability to use the following American Whitewater Universal River Signals, both visual and auditory: "Stop," "Are you OK?," "Help/emergency," "Run river right," "Run river left," and "All clear—come ahead."

REQUIREMENT 7: Do ONE of the following:
a - If completing this merit badge in a canoe, describe the various types of canoes used on moving water and how they differ in design, materials, and purpose.
OR
b - If completing this merit badge in a kayak, describe the various types of kayaks used on moving water and explain how they differ in design, materials, and purpose.
REQUIREMENT 8: Discuss the personal and group equipment necessary for a safe whitewater outing and how and why it is used. Explain how to pack and protect these items.
REQUIREMENT 9: Demonstrate your ability to read a Class II section of river approved by your counselor. Describe the
most desirable paths or lines of travel as well as alternative routes and options. Point out how to use the existing water features to your advantage, and explain how to best avoid the hazards present.
REQUIREMENT 10: Wearing a proper life jacket and being appropriately dressed for the weather and water conditions, perform the following skills in moving water in a properly equipped whitewater craft of your choice (tandem canoe, solo canoe, or solo kayak). If a tandem canoe is used, the skills must be demonstrated from both the bow and stern positions.
REQUIREMENT 10 A: Launch and land.
Completed

REQUIREMENT 10 B: Paddle forward in a straight line at least 10 boat lengths.
Completed
REQUIREMENT 10 C: Backpaddle in a straight line at least five boat lengths.
Completed
REQUIREMENT 10 D: Ferry upstream from both sides of the river.
Completed
DECUMPATION TO The Format decumpation on financial and the cities of the cities
REQUIREMENT 10 E: Ferry downstream from both sides of the river.
Completed
REQUIREMENT 10 F: Eddy turn from both sides of an eddy.
REQUIREMENT TO F. Eddy turn from both sides of all eddy.
Completed
REQUIREMENT 10 G: Peel out from both sides of an eddy.
Completed
REQUIREMENT 11: Explain and demonstrate the following to your counselor:
REQUIREMENT 11 A: Self-rescue and procedures when capsized in moving water, including a wet exit if necessary
Explain
Demonstrated

REQUIREMENT 11 B: Proper use of a throw rope to rescue a swimmer in whitewater	
Explain	
Exprain	
Demonstrated	
PROUBLEMENT 11 Co Proposition by the physical for the contribution of the second state	
REQUIREMENT 11 C: Proper technique for receiving a throw rope as a swimmer	
Explain	
Demonstrated	
REQUIREMENT 11 D: Portaging—where portaging would be appropriate, and when and how to do it	
Explain	
Explain	
Demonstrated	

REQUIREMENT 11 E: The whitewater buddy system using at least three persons and three craft
Explain
Demonstrated
REQUIREMENT 12: Participate in one or more whitewater trips using either a canoe or kayak on a Class I and/or Class II
river. The trip(s) must involve at least six hours of paddling time. For each trip:
REQUIREMENT 12 A: Help to prepare a written plan, specifying the route (put-ins and take-outs), schedule, equipment,
safety precautions, and emergency procedures.
REQUIREMENT 12 B: Determine local rules and obtain permission from landowners and land managers in advance.
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REQUIREMENT Whitewater safe	12 C: ty guidel	Explain ines.	what	steps	have	been	taken	to	comply	with	BSA	Safety	Afloat	and	the	American
REQUIREMENT	12 D: S	Show how	v to pi	rotect	persor	nal and	d group	eq	uipment	from	wate	r and h	ow to I	oad a	and s	ecure the
containers in boa	ats to be	used in	the tri _l	p. Exec	cute th	ie plan	s with	othe	er paddle	ers.						
REQUIREMENT	12 E: E>	kplain to	your c	ounse	lor hov	w well	your pl	ans	worked	for ea	ch tri	p taken				
L																li