

Canoeing

Merit Badge Workbook

This workbook can help you but you still need to read the merit badge pamphlet (book). No one can add or subtract from the Boy Scout Requirements #33216. Merit Badge Workbooks and much more are below: Online Resources. Send comments to the workbook developer: craig@craiglincoln.com. Requirements revised: 2005, Workbook updated: May 2008.

Scout's Name:	Unit:				
Counselor's Name:	Counselor's Ph #:				
1. Show that you know first aid for injuries or illnesses that could occur while canoeing, including					
hypothermia,					
heat reactions,					
dehydration,					
insect stings,					
tick bites,					
and blisters					
2. Do the following:					
(a) Identify the conditions that must exist before pe	erforming CPR on a person.				
Explain how such conditions are recognized.					
(b) Demonstrate the proper technique for performing	ng CPR using a training device approved by your counselor				
the head in depth. Level off and swim 75 yards in a breaststroke, trudgen, or crawl; then swim 25 yards	sfully complete the BSA swimmer test: Jump feetfirst into water over a strong manner using one or more of the following strokes: sidestroke using an easy, resting backstroke. The 100 yards must be completed to one sharp turn. After completing the swim, rest by floating.				

4. Discuss the following

Canoeing p. 2	Merit Badge Workbook	Scout's Name:
(a) The BSA Safety Afloat pol	icy Tell how it applies to canoeing activities.	
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	er and water-related nazards encountered wr	ile canoeing and how to deal safely with each
Olie:		
5. Do the following:		
(a) Name and point out the m	ajor parts of a canoe.	
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(b) Describe how the length a	and shape of a canoe affect its performance.	
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(c) Discuss the advantages and disadvantages of the different materials used to make canoes.

Material Advantages (d) Name and point out the parts of a paddle. Explain the difference between a straight and bent-shaft paddle and when each is best used. (e) Demonstrate how to correctly size a paddle for a paddler in a sitting position and a kneeling position. (f) Name the different types of personal flotation devices (PFDs), and explain when each type should be used. (g) Show how to properly fit and test a PFD of correct size. (h) Discuss the general care and maintenance of canoeing equipment. (i) Discuss what personal and
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(h) Discuss the general care and maintenance of canoeing equipment.
group equipment would be appropriate for a canoe camping trip.
Describe how personal and group equipment can be packed and protected from water.

Canoeing p. 4	Merit Badge Workbook	Scout's Name:		
(j) Demonstrate how to load	and secure equipment in a canoe.			
(k) Using appropriate knots, demonstrate how to secure a canoe to a rack on land, a vehicle, or a canoe trailer				
6. With a companion, wearin	g the proper PFD and appropriately dressed	for the weather and water conditions, use a		
properly equipped canoe to	•			
.,	• • •	sible)		
(b) Safely land the canoe on	a dock or shore (both, if possible) and return	n it to its proper storage location.		
(c) Demonstrate kneeling an	d sitting positions in a canoe and explain the	e proper use for each position		
(d) Change places while aflo	at in the canoe.			
(e) In deep water, exit the ca	noe and get back in without capsizing			
(f) Capsize the canoe and de	monstrate how staying with a capsized cand	oe will support both paddlers		
(g) Swim, tow, or push a swareenter it.	amped canoe 50 feet to shallow water. In the	e shallow water, empty the swamped canoe and		
(h) In deep water, rescue a s safely reenter their boat with		g the swamped canoe and helping the paddlers		
•	g the proper PFD and appropriately dressed es as both a bow and stern paddler:	for the weather and water conditions, demonstrate		
(a) Forward stroke				
(b) Backstroke				
(c) Draw				
(d) Pushaway				
For stern paddling only:				
(g) J-stroke				
8. Using the strokes in requi		maneuvers while paddling on opposite sides and		
(a) Pivot or spin the canoe in	n either direction.			
(b) Move the canoe sideways	s or abeam in either direction.			
	nd appropriately dressed for the weather an			
(a) Launch from shore or a p	oier (both, if possible)			

Canoeing p. 5	Merit Badge Workbook	Scout's Name:
backstroke, draw stroke, pusl		rate proper form and use of the forward stroke, ock sweep, and J-stroke. Repeat while paddling on
	J	east one turn underway and one reverse of
(d) Make a proper landing at a	dock or shore (both, if possible). Store ca	noe properly (with assistance, if needed)
(e) In deep water, exit the can	oe and then get back in without capsizing	
10. Discuss the following type	es of canoeing:	
(a) Olympic flatwater		
(b) Outrigger		
(c) Marathon		
► Scout ► Tend Boy Scout Merit Badge Work	 <u>outing.org</u> ► <u>Guide to Safe Scouting</u> ► <u>Agerfoot</u> <u>Second Class</u> ► <u>First Class</u> <u>oooks: usscouts.org</u> -or- <u>meritbadge.org</u> <u>Meritbadge.org</u> 	
2 . <u>CPR</u>	t Reactions - Dehydration - Insect Stings - Ticl	
3. Swimming: BSA Swim Test: Swimming Turns - Floating	<u>Diving</u> also has the feetfirst jump in - <u>Sidestrol</u>	ke - Breaststroke - Trudgen Crawl - Backstroke -
4. The BSA Safety Afloat policy		
	dle diagrams iis above. gram is in the <u>Aquatics Troop Program Featur</u> gram is in the <u>Boating-Canoeing Troop Prograr</u>	
7. Canoe stroke diagrams are in 6-10. ExpertVillage.com Lesson	the Boating-Canoeing Troop Program Feature Videos: Canoeing Safety - PDFs - Paddles -	
5-10: ExpertVillage.com Lesson Canoeing Safety	<u>r videos:</u> ≨PDFs ⊆ Paddles ⊆ Getting In/O	Out ⊆ Paddling ⊆ On The Water
General Resources		
American Canoe Association: h	ttp://www.acanet.org	
American Whitewater: http://ww		
IISA Canoe/Kayak: http://www.i	reack org	

USA Canoe/Kayak: http://www.usack.org

United States Canoe Association: http://www.uscanoe.com

Scout's Name:	
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SAFETY AFLOAT

Safety Afloat has been developed to promote boating and boating safety and to set standards for safe unit activity afloat. Before a BSA group may engage in an excursion, expedition, or trip on the water (canoe, raft, sailboat, motorboat, rowboat, floating in an inner tube, or other craft), adult leaders for such activity must complete Safety Afloat Training, No. 34159, have a commitment card, No. 34242, with them, and be dedicated to full compliance with all nine points of Safety Afloat.

1. Qualified Supervision

All activity afloat must be supervised by a mature and conscientious adult age 21 or older who understands and knowingly accepts responsibility for the well-being and safety of the children in his or her care, who is experienced and qualified in the particular watercraft skills and equipment involved in the activity, and who is committed to compliance with the nine points of BSA Safety Afloat. One such supervisor is required for each 10 people, with a minimum of two adults for any one group. At least one supervisor must be age 21 or older, and the remaining supervisors must be age 18 or older. All supervisors must complete BSA Safety Afloat and Safe Swim Defense training and rescue training for the type of watercraft to be used in the activity, and at least one must be trained in CPR. It is strongly recommended that all units have at least one adult or older youth member currently trained as a BSA Lifeguard to assist in the planning and conducting of all activity afloat. For Cub Scouts: The ratio of adult supervisors to participants is one to five.

2. Physical Fitness

All persons must present evidence of fitness by a complete health history from a physician, parent, or legal guardian. Adjust all supervision, discipline, and protection to anticipate any risks associated with individual health conditions. In the event of any significant health conditions, a medical evaluation by a physician should be required by the adult leader.

3. Swimming Ability

A person who has not been classified as a "swimmer" may ride as a passenger in a rowboat or motorboat with an adult swimmer, or in a canoe, raft, or sailboat with an adult who is trained as a lifeguard or a lifesaver by a recognized agency. In all other circumstances, the person must be a swimmer to participate in an activity afloat. Swimmers must pass this test:

Jump feetfirst into water over your head. Swim 75 yards in a strong manner using one or more of the following strokes:sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards using an easy resting backstroke. The 100 yards must be swum continuously and include at least one sharp turn. After completing the swim, rest by floating. This qualification test should be renewed annually.

4. Personal Flotation Equipment

Properly fitted U.S. Coast Guard-approved personal flotation devices (PFDs) must be worn by all persons engaged in activity on the open water (rowing, canoeing, sailing, boardsailing, motorboating, waterskiing, rafting, tubing, kayaking, and surfboarding). Type II and III PFDs are recommended.

Buddy System

All activity afloat necessitates using the buddy system. Not only must every individual have a buddy, but every craft should have a "buddy boat" when on the water

6. Skill Proficiency

All participants in activity afloat must be trained and experienced in watercraft handling skills, safety, and emergency procedures. (a) For unit activity on white water, all participants must complete special training by a BSA Aquatics Instructor or qualified whitewater specialist. (b) Powerboat operators must be able to meet requirements for the Motorboating merit badge or equivalent. (c) Except for whitewater and powerboat operation as noted above, either a

minimum of three hours' training and supervised practice or meeting requirements for "basic handling tests" is required for all float trips or openwater excursions using unpowered craft. (d) Motorized personal watercraft, such as the Jet Ski? and SeaDoo?, are not authorized for use in Scouting aquatics, and their use should not be permitted in or near BSA program areas.

For Cub Scouts:Canoeing, kayaking, rowing, and rafting for Cub Scouts (including Webelos Scouts) are to be limited to council/district events on flat water ponds or controlled lake areas free of powerboats and sailboats. Prior to recreational canoeing and kayaking, Cub Scouts are to be instructed in basic handling skills and safety practices.

7. Planning

Float Plan — Obtain current maps and information about the waterway to be traveled. Know exactly where the unit will "put in" and "pull out" and what course will be followed. Travel time should be estimated generously. Review the plan with others who have traveled the course recently.

Local Rules — Determine which state and local regulations are applicable, and follow them. Get written permission to use or cross private property.

Notification — File the float plan with parents or participants and a member of the unit committee. File the float plan with the local council office when traveling on running water. Check in with all those who should be notified when returning.

Weather — Check the weather forecast just before setting out, and keep an alert weather eye. Bring all craft ashore when rough weather threatens.

Contingencies — Planning must identify possible emergencies and other circumstances that could force a change of plans. Appropriate alternative plans must be developed for each.

For Cub Scouts:Cub Scout canoeing, kayaking, rowing, and rafting do not include "trips" or "expeditions" and are not to be conducted on running water (i.e., rivers or streams); therefore, some procedures are inapplicable. Suitable weather requires clear skies, no appreciable wind, and warm air and water.

8. Equipment

All equipment must be suited to the craft, to water conditions, and to the individual; must be in good repair; and must satisfy all state and federal requirements. Spare equipment or repair materials must be carried. Appropriate rescue equipment must be available for immediate use.

9. Discipline

All participants should know, understand, and respect the rules and procedures for safe unit activity afloat. The applicable rules should be presented and learned prior to the outing, and should be reviewed for all participants at the water's edge just before the activity begins. When Scouts know and understand the reasons for the rules, they will observe them. When fairly and impartially applied, rules do not interfere with the fun. Rules for safety, plus common sense and good judgment, keep the fun from being interrupted by tragedy.

Note: For cruising vessels (excluding rowboats, canoes, kayaks, and rafts, but including sailboats and powerboats greater than 20 feet long) used in adult-supervised unit activities by a chartered Venturing crew/ship specializing in watercraft operations, or used in adult-supervised program activity in connection with any high-adventure program or other activity under the direct sponsorship and control of the National Council, the standards and procedures in the Sea Scout Manual may be substituted for the Safety Afloat standards.