

Motorboating

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 #33215. Merit Badge Workbooks and much more are below: Online Resources. Workbook developer: craig@craiglincoln.com. Requirements revised: 2008, Workbook updated: November 2008.

Scout	's Name:	Unit:	
Counselor's Name:			
. D	Do the following:		
a.	Explain first aid for injuries that could occur while motorboating, including hypothermia,		
	heat reactions,		
	-		
	insect stings,		
b.	. Identify the conditions that must exist be	efore performing CPR on a person,	
	and explain how such conditions are rec	cognized.	

orboating p. 2	Merit Badge Workbook	Scout's Name:
_	chnique for performing CPR using a training	g device approved by your counselor.
Do the following:		
a. Before doing requirement	s 3 through 6, successfully complete the BS	SA swimmer test.
b. Name the different types	of personal floatation devices (PFDs), and e	explain when each type should be use.
Show how to choose and	properly fit a PFD.	
Do the following:		
a. Explain inboard, outboard	, and inboard/outboard motors and the use	s and advantages of each.
Explain inboard motors		-
Advantages		
Explain outboard motor	s	
Uses		
Advantages		
Explain inboard/outboar	rd motors	
Uses		

Advantages				
Discuss the special featu	ures of a bass boat			
and a ski boat.				
Explain how to winterize	a boat motor			
and tell why this procedu	ıre is necessary			
Explain the safety proced	dures and precautions involving swimmers a	and skiers in the water,		
passenger positions und	er way,			
and boat wakes.				
w you know safety laws f	or motorboating by doing the following:			
Have a permit to run a m	notorboat, if needed.			
b. Explain the rules or laws that apply to recreational boating in your area or state.				
	Discuss the special featurand a ski boat. Explain the safety procedurement. Explain how to winterize and tell why this procedurement and tell why this procedurement and boat wakes. Discuss the special feature and a ski boat. Explain the safety procedure and tell why this procedurement and tell why the tel	Advantages Discuss the special features of a bass boat and a ski boat. Explain the safety procedures and precautions involving handling fue placement. Explain how to winterize a boat motor and tell why this procedure is necessary. Explain the safety procedures and precautions involving swimmers a passenger positions under way, and boat wakes. and boat wakes. we you know safety laws for motorboating by doing the following: Have a permit to run a motorboat, if needed. Explain the rules or laws that apply to recreational boating in your are		

4.

Motorbo	eating p. 4	Merit Badge Workbook	Scout's Name:
	Discussion that have the		
C.	Discuss how the hazards	of weather and heavy water conditions car	n affect both safety and performance in motorboating
٨	Draming that you will fall	DCA Cofety Affact quidalines	
d.	Explain the meaning of e		
e.	Discuss with your counse	elor the nautical rules of the road and descr	ibe the national and your state's aids to navigation.
f.	Explain and show the commotorboat.	rect use of equipment required by both star	te and federal regulations to be carried aboard a
g.	Explain federal and state	rules for a ventilation system,	

Motorboating p. 5		Merit Badge Workbook	Scout's Name:
	and tell why these rules are red	quired	
5.	Demonstrate prepar heat handling	procedures and skills by doing the foll	lowing:
			·
		•	
	_		
			and passing slower craft, yielding right-of-way, ng navigation aids.
	e. Stop an secure the boat in po	sition on the open water using anchor	rs; get under way.
	f. Land or dock; get out and ass	ist others.	
	g. Moor the boat and secure all	gear	
		al and safety features of a boat trailer	
	·	•	
	D. Nemove a boat nom the water	r doing a trailer.	
	,		ur parent's or guardian's permission.)
Boy			age-Appropriate Guidelines ► Safe Swim Defense
Ro		► <u>Second Class</u> ► <u>First Class</u>	
	-		icy ► Youth Protection Training
	guirement Resources	<u> </u>	104 Todail Total Color Training
	•	g/wiki/index.php/First Aid for these lin	oks and more:
•		Wilderness First Aid CPR Basics Ve	
	Other First Aid Links: Mayo Clinic F	irst Aid Guide Class 1 Exam Class 3	<u> Warning Signs of Cancer</u> - <u>Heart Disease</u>
2:		org/wiki/index.php/Swimming for thes ng - Tread Water - Float - How to Swi	
			afety - Racing Dive - Snorkeling - SCUBA Diving
			t - BSA Swim Test - Buddy System - Trudgeon
3:	Inboard motor: http://en.wikipedia.com/		motor: http://en.wikipedia.org/wiki/Outboard
		e): http://en.wikipedia.org/wiki/Inboard	
	•	http://www.smallboat.sailingcourse.co	
		Safety: http://www.uscgboating.org/s	atety/metlife/water_ski.htm
	neral Resources	ou bitto //www.cofobooting.com.ciara	
	rth American Safe Boating Campaigi S. Coast Guard Auxiliary: <u>http://www.</u>	n: http://www.safeboatingcampaign.ne	<u>er</u>
U.S	o. Goasi Guaru Auxillary. <u>Hittp://WWW.</u>	oyaux.urg	

U.S. Coast Guard Boating Safety and Regulations: http://www.uscgboating.org
U.S. Sailing Association: http://www.ussailing.org

Scout's Name:	
ocouls maille.	

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.

5. 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