

Ship 1610 Fort Monroe, Virginia

Name

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NOTES ABOUT ADVANCEMENT

How Sea Scout Advancement Works

Scouts advance from Apprentice to Quartermaster by doing things with their crew and ship, with leaders, and on their own. Well-delivered programming will take scouts to Ordinary in their first year of membership. Advancement is a simple matter when the four steps or stages outlined below are observed and integrated into ship programming.

The Scout Learns: Scouts learn by doing, and as they learn, they grow in their ability to do their part as a member of the crew and ship. Scouts develop knowledge and skill, they are asked to teach others; and in this way they learn and develop leadership.

The Scout Is Tested: The Skipper authorizes those who may test and pass the Sea Scout on rank requirements. They might include his crew leader, boatswain, a Mate, a ship committee member, another Scout, or the Skipper himself.

The Scout Is Reviewed: After a scout has completed all requirements for a rank, the Scout meets with a bridge of review. For Apprentice through Able, the ship conducts the bridge. The Quartermaster bridge of review is held in accordance with National Sea Scout Director and local council procedures.

The Scout Is Recognized: When the bridge of review has approved his advancement, the Scout deserves recognition as soon as possible. This should be done at a ceremony at the next unit meeting. The certificate for the new rank may be presented later, during a formal bridge of honor.

All requirements must be completed before the 21st birthday, and the ranks are available to registered Sea Scouts only. Ranks must be awarded in order, but the requirements may be accomplished at any time, unless the requirement specifically states a pre-requisite.

Other Awards

Other awards Sea Scouts may earn include the Small-Boat Handler bar, the Qualified Seaman bar, and the Long Cruise badge and arcs. All Venturing awards are also available, as are any BSA recognitions that are not limited to Cub Scouts, Boy Scouts, or Varsity Scouts. Examples that may interest Sea Scouts include BSA Lifeguard, Boardsailing BSA, Snorkeling BSA, Paddlecraft Safety, Kayaking BSA, Mile Swim BSA, and many more.

The Skipper Conference

Skippers hold a conference with youth who indicate they are ready to advance to the next Sea Scout rank. Once the conference has taken place and the other requirements for the rank are fulfilled, the application for rank is forwarded to the ship's bridge of review. Its members come from the ship quarterdeck and committee. The process is similar to that for a Scoutmaster conference.

The Sea Scout Bridge of Review

Purpose and Timeliness of Bridges of Review

After completing the requirements for any Sea Scout rank, the Sea Scout appears before a bridge of review. He or she cannot be denied this opportunity. The purpose of the review is to determine the quality of the candidate's experience and decide whether the youth is qualified to advance. The bridge of review date becomes the effective advancement date.

Composition of the Bridge of Review

A bridge of review must consist of no fewer than three members and no more than six. Skippers and mates may not serve on a bridge of review for a Sea Scout in their own ship. Parents or guardians may not serve on a bridge for their son or daughter. The candidate or his or her parent(s) or guardian(s) shall have no part in selecting any bridge of review members.

Conducting a Bridge of Review

Not a Retest or "Examination": Though one reason for a bridge of review is to ensure the Scout did what he or she was supposed to do to meet the requirements, it shall become neither a retest or "examination," nor a challenge of his or her knowledge. In most cases it should, instead, be a celebration of accomplishment. Remember, it is more about the journey. A badge recognizes what a young person is able to do and how he or she has grown. It is not so much, a reward for what he or she has done.

What Should Be Discussed: During the review, board members may refer to the Sea Scout Handbook and other references. The Troop Committee Guidebook, No. 34505, has examples of appropriate questions. A Scout may be asked where he or she learned their skills and who taught them, and what they gained from fulfilling selected requirements. The answers will reveal what he or she did for the rank. It can be determined, then, if this was what they were supposed to do. Discussion of how he or she has lived the Sea Scout promise, Scout Oath, and Scout Law in his home, unit, school, and community should be included. We must remember, however, that though we have high expectations for our members, as for ourselves, we do not insist on perfection. A positive attitude is most important, and that a young person accepts Scouting's ideals and sets and meets good standards in their lives.

Board Members Must Agree Unanimously on Decisions to Approve: To approve awarding a rank, the bridge must agree unanimously. Every effort should be made to deliberate with careful consideration of each member's perspective, and in sufficient detail as to avoid factual misunderstanding. It is appropriate to call the candidate back if additional questions may provide clarification. Still, if any member dissents, the decision cannot be for approval. In the case of such disagreement, the Scout shall not be informed about the specifics of the conversations or any arguments taking place. The scout is told only how he or she can improve.

After the Review: If the members agree a Scout is ready to advance, the scout is called in and congratulated. The bridge of review date—not that of a subsequent bridge Revised 2022-04-09

of honor—becomes the rank's effective date. If a bridge decides not to approve, the candidate must be so informed and told what he can do to improve. Most Scouts accept responsibility for their behavior or for not completing requirements properly. If it is thought that a Scout, before their 21st birthday, can benefit from an opportunity to properly complete the requirements, the board may adjourn and reconvene at a later date. If the candidate agrees to this, then if possible, the same members should reassemble. If the scout does not agree, then the board must make its decision at that point. In any case, a follow-up letter must be promptly sent to a Scout who is turned down. It must include actions advised that may lead to advancement, and also an explanation of appeal procedures.

Particulars for Apprentice through Able Ranks

The preceding applies to bridges of review for all Sea Scout ranks, but there are a few differences for those leading up to Quartermaster. See "Particulars for the Quartermaster Rank." to learn about the differences for Quartermaster.

- 1. After a Skipper conference, the youth advancing meets with the bridge of review made up of three to six members of the quarterdeck or ship committee.
- 2. The boatswain serves as bridge of review chair, conducts the review according the BSA procedures, and reports results to the ship advancement coordinator.
- 3. The location should be comfortable, such as the unit meeting place or a leader's home.
- 4. The review should take approximately 15 minutes, but no longer than 30 minutes.

Particulars for Quartermaster Rank

With few exceptions, the particulars for handling bridges of review for Quartermaster rank are identical to those for Eagle Scout boards of review. References to the 18th birthday are replaced with the 21st birthday for Sea Scouts. Where petitions, etc., are indicated to be sent to the national Advancement Team, for Sea Scouts they are sent to the national Sea Scout director.

Bridges of Honor

A bridge of honor is the forum where awards are presented. It should be impressive and well planned. It is often held in connection with a social affair. As in any other BSA program, it is important Sea Scouts receive prompt recognition; thus it may be a good idea to present awards informally first at a ship meeting and then again (more formally) at the next bridge of honor

Apprentice Requirement	Initial	Date
1. Ideals	•	
a. Qualify as a member of your Sea Scout ship by taking		
part in the ship's admission ceremony.		
b. Repeat from memory and discuss with an adult leader,		
an Able Scout or a Quartermaster Scout the Scout Oath		
and Law and the Sea Promise, and agree to carry out the		
provisions of your ship's code and bylaws.		
c. Demonstrate acceptable courtesies used aboard a Sea		
Scout vessel.		
d. Demonstrate the proper procedure for boarding a Sea		
Scout vessel and landship.		
e. With other Sea Scouts, friends or family members,		
complete the Personal Safety Awareness Training for		
BSA's Older Youth Programs led by an adult leader or		
designee. The adult conducting the program should follow		
the program guidelines found in www.seascout.org/leader-		
<u>resources</u> in order to complete this requirement.		
2. Active Membership		
a. Provide evidence that you are fulfilling your financial		
obligations to your ship, including helping with fund-raisers.		
Note: Check with your ship's purser.		
b. Obtain a Sea Scout uniform. Describe the Sea Scout		
uniforms. Tell how and when to wear the uniforms; and		
explain care of uniforms.		
c. Meet your ship's bylaws requirement for active		
participation in your ship's meetings and activities for three		
months.		
Joining Date		
3. Leadership		
a. Describe your ship's organization, including the youth		
and adult leadership positions.		
b. Demonstrate your ability to identify insignia of youth and		
adult leadership positions. Explain the chain of command		
in your ship.		
4. Swimming		T
a. Demonstrate your ability to swim by doing one of the		
following:		
	l	

Jump feet first into water over your head, swim 75 yards/meters in a strong manner using one or more of the following strokes: sidestroke, breaststroke, trudgen, or crawl; then swim 25 yards/meters using the elementary backstroke. The 100 yards/meters must be swum continuously and include at least one sharp turn. After completing the swim, rest by floating on your back, remaining as motionless as possible. Or Pass a NAUI, PADI, SDI, or any other Recreational Scuba Training Council Certification Agency's swim test.	
b. Discuss the BSA Safe Swim Defense plan and explain how it is used to protect Sea Scouts and other groups during swimming activities.	
5. Safety	
a. Explain the uses, advantages, and disadvantages of the various types of Coast Guard–approved life jackets. Demonstrate the proper use and care of life jackets used by your ship. Discuss your state's boating laws as they relate to life jacket wear.	
b1. Identify visual day and night marine distress signals, and know their location and the proper use for your ship's vessel(s).	
OR	
b2. Know and demonstrate basic hand, paddle, and whistle signals commonly used on paddlecraft trips.	
c. Use the Distress Communications Form to demonstrate the procedure to send the following VHF emergency messages: Mayday, Pan Pan, and Security.	
d1. Know the safety rules that apply to vessels and equipment used by your ship, and safety standards in the use of power tools, machinery, lifting heavy objects, and other safety devices used by your ship.	
OR	
d2. Obtain and discuss with your leader or designee, your state's paddlecraft safety rules for the craft most frequently used by your ship.	
e. Obtain a current copy of the U.S. Coast Guard Auxiliary (USCG AUX) or America's Boating Club (ABC) Vessel	

Safety Check (VSC) Form online. With an approved					
Examiner or an experienced adult leader, perform a					
on the vessel(s) in use by your Ship. Additionally, o	btain,				
or create your own, USCG "IF FOUND" sticker(s).					
Complete the contact information and place it on the					
vessel(s) used by your Ship. If your Ship's vessel(s)	· I I				
already displays an "IF FOUND" sticker, verify the displays is still correct. If not correct it	contact				
information is still correct. If not, correct it.					
6. Marlinspike Seamanship	.				
Using both large and small lines, tie and explain the	e use of				
the following knots: overhand, square, figure eight,					
bowline, two half hitches, clove hitch, sheet bend, a	ind				
cleat hitch, and trucker's hitch .					
Knot Large (1") Small (3/8")					
Overhand					
Square					
Figure Eight					
Bowline					
Two Half Hitches					
Clove Hitch					
Sheet Bend					
Cleat Hitch					
Trucker's Hitch					
7. Boat Handling					
a. Name the principal parts of a typical sailboat, run	about,				
canoe, kayak, SUP, and raft.					
b. Describe the identifying characteristics of:					
1. A sloop, ketch, yawl, cutter, and schooner					
2. An open motorboat and cabin motorboat					
3. A touring canoe and whitewater canoe					
4. A whitewater kayak and sea kayak					
5. Oar frame raft and a paddle raft					
c1. Demonstrate the ability to use a heaving line.					
·					
OR					
c2. While on land, demonstrate the ability to throw a					
rescue throw bag and hit a four foot-wide target 30 feet (10					
meters) away. Then, without hesitation, retrieve the					
and immediately throw it as a coil, and hit a 4 foot-v	viae				

target 21 feet (seven meters) a line and re-stuff the bag.	way. Finally	, retrieve the		
8. Service				
a. Log at least 8 hours of work or activities other than ship me fun events.			*	
Project	Date	Hours		
b. Participate with your ship for community service projects.	at least 8 h	ours in		
Project	Date	Hours		
Reviews				
Skippers' Conference				
Bridge of Review				

1. Ideals a. Explain the symbolism of the Sea Scout emblem. b. Give a brief oral history of the U.S. flag. c. Demonstrate how to fly, hoist, lower, fold, display and salute the U.S. flag. Explain flag etiquette and protocols for both land and sea. d. Discuss with an adult leader how you live the Scout Oath and Law in your daily life. 2. Active Membership a. Meet your ship's bylaws requirement for active participation in your ship's meetings and activities for three months. b. Do one of the following. Recruit a new member for your ship and follow through until the new member is registered and formally admitted with an admissions ceremony, or assist in planning and carrying out a ship recruiting activity, such as an open house or joint activity with a youth group or organization. (Another Sea Scout ship will not count.) 3. Leadership a. Participate in the BSA's Introduction to Leadership Skills for Ships (ILSS) course. Complete quarterdeck training, either as an officer or as a prospective officer. b. Serve as an activity chair for a major ship event. Responsibilities should include planning, directing, and evaluating the event. 4. Swimming a. Pass all requirements for the Scouts BSA's Swimming merit badge. 5. Safety a. Discuss BSA Safety Afloat with an adult leader. b. Describe the safety equipment required by law for your ship's primary vessel. c1. Develop a ship's station bill for your ship and review it with an adult leader.	Ordinary Requirement	Initial	Date
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	· · · · · · · · · · · · · · · · · · ·		
OR	with an adult leader.		
	OR		

Ordinary Requirement		Initial	Date
c2. For smaller vessels with only one or two people aboard, develop a roster of attendeesfor your ship's next float trip. Identify lead and sweep boats. Note which boats are carrying rescue and first aid equipment, the trip roster, and medical forms. Review the roster with an adult leader.			
d1. Plan and practice the following drills: ma fire, and abandon ship.	an overboard,		
OR			
d2. If your ship uses small vessels such as sailboats or paddlecraft, plan and practice r drills (if appropriate), capsize drills and dee entries.	man overboard		
e. Describe any three types of equipment uncommunications.	sed in marine		
f. Demonstrate your knowledge of correct maritime radio telephone communications procedures by making at least three calls to another vessel, marinas, bridges, or locks. If your vessel does not use VHF radios, this may be simulated.			
Call	Date		
g. Demonstrate proficiency with the commu devices used on your ship's primary vessel			
h. Galley			
i. Before an activity, submit a menu that uses cooked and			
uncooked dishes, a list of provisions, and estimated costs			
for a day's meal (breakfast, lunch, and dinner). Once the provision list is approved, help obtain the items on the			
list.			
ii. Explain the use of charcoal, isobutane, w propane. Include safety precautions for each			

Ordinary Requiremen	nt		Initial	Date
iii. Prepare breakfast,		ner while on the		
activity. Demonstrate				
galley equipment or pe	ersonal cookin	g gear generally		
used by your ship. If yo	our vessel doe	es not have a galley		
space, these may be o	lone ashore.			
Mod	Data			
Meal	Date			
Breakfast Lunch				
Dinner				
iv. Demonstrate appro	nriato canitatio	on tochniques for		
food preparation and r		on techniques for		
6. Marlinspike Seama				
a. Name the various m		to manufacture rope.		
the advantages and di		•		
characteristics of laid a		•		
meaning of lay, thread	, strand, and h	nawser. Explain how		
rope is sized and mea	sured.			
b. Using both large an		•		
use of the following kn				
(double) bowline, bowl	_			
hitch, marline hitch, tru	icker's hitch, a	ind midshipman's		
(taut-line) hitch.	Laura (1")	Con all (2 /0")		
Knot	Large (1")	Small (3/8")		
Stevedore				
French Bowline				
Bowline on a Bight				
Timber Hitch				
Rolling Hitch				
Marline Hitch				
Trucker's Hitch				
Midshipman's Hitch				
c. Demonstrate your a	•			
cleats, and rings, and				
d. Demonstrate how to				
and whip the end of plain similar material.	am-iaiu ime us	ang waxeu cord or		
Similiai matenal.				

Ordinary Requirement	Initial	Date
7. Boat Handling		
a. Name the principal parts of the masts, booms, spars, standing and running rigging, and sails of a gaff- or Marconi-rigged sloop, schooner, and ketch or yawl.		
b. Demonstrate your ability to handle a vessel with paddles or oars by doing one of the following:		
1. Safely board a rowboat and row in a straight line for 200 feet, stop, make a pivot turn, return to the starting point and backwater in a straight line for 40 feet. Make a turn and return to the starting point.		
OR		
2. Safely board a canoe, kayak, or paddleboard and paddle a straight line for 200 feet, stop, pivot, return to the starting point, and backwater in a straight line for 40 feet. Make a turn and return to the starting point. Demonstrate a draw stroke to move the boat sideways both right and left, and forward and reverse sweeps to spin the boat both clockwise and counter.		
8. Ground Tackle		T
a. Name the parts of a stock anchor and a stockless anchor.		
b. Describe five types of anchors. Describe how each type holds the bottom, the kind of bottom in which it holds best, and the advantages or disadvantages of each type. Discuss the challenges of using an anchor with paddlecraft compared to larger vessels.		
c. Calculate the amount of anchor rode necessary for your ship's primary vessel in the following depths: 10, 20, and 30 feet in normal and storm conditions.		
d. Demonstrate the ability to set and weigh anchor		
appropriate for your vessel.		
9. Navigation Rules		
a. Explain the purpose of Navigation Rules, International and Inland.		
b. Know the general "Rule of Responsibility."		

Ordinary Requirement	Initial	Date
c. Define stand-on and give-way vessels for the following		
situations: meeting, crossing, and overtaking for both		
power and sailing vessels.		
d. Explain "Responsibility Between Vessels" (vessel		
priority).		
e. Explain the navigation lights required for power-driven		
and sailing vessels underway. Explain what is required		
for a vessel under oars. Describe the lighting		
requirements for paddlecraft. Explain why carrying a		
sound producing device like a whistle is important when		
operating a paddlecraft.		
f. Describe the sound signals for maneuvering, warning,		
and restricted visibility.		
10. Piloting and Navigation		T
a. Demonstrate your understanding of latitude and		
longitude. Using a chart, demonstrate that you can locate		
your position from given coordinates and determine the		
coordinates of at least five aids to navigation.		
b. Explain the degree system of compass direction.		
Explain variation and deviation and how they are used to		
convert between true headings and bearings to compass		
headings and bearings.		
c. Describe three kinds of devices used aboard ship for		
measuring speed and/or distance traveled and, if		
possible, demonstrate their use.		
d. Explain the 24-hour time system and demonstrate that		
you can convert between 12- and 24-hour time.		
e. Understand Universal Coordinated Time (Greenwich		
Mean Time or Zulu Time) and zone time. Demonstrate		
your ability to convert from one to the other for your local		
area.		
f. Make a dead reckoning table of compass and distances		
(minimum three legs) between two points, plot these on a		
chart, and determine the final position. Note: Ideally this		
requirement should be met while underway. If this is not		
possible, it may be simulated using charts.		
g. Discuss how a GPS works. Explain possible uses and		
functions including different screen views. Use a GPS to		

6

Ordinary Requirement	Initial	Date		
set a waypoint and navigate to the wa	ypoint you	have		
set.				
Skill	Date	Initial		
How GPS works				
GPS Screen Functions				
Set GPS Waypoint				
Navigate to GPS Waypoint				
11. Practical Deck Seamanship				
a. Name the seven watches and expla	ain bell tim	e.		
b. Explain the duties of a lookout and	demonstra	ite how to		
report objects in view and wind directi	ons with re	espect to		
the vessel.				
c. Name relative bearings expressed				
d. While underway, serve as a lookou				
When boating in a manually propelled		•		
or as a bow paddler for a tandem craf	t will meet	this		
requirement.				
e. Demonstrate the use of wheel or he	elm comma	ands		
found in the Sea Scout Manual.				
f1. Describe the deck log kept aboard	•			
principal craft. Contribute to the cruise	•	•		
of cruising (one cruise or a combination	•	ruises).		
Submit the cruise logs to your Skippe	r.			
OR				
f2. Keep a trip log for at least three pa	ıddling dav	trips.		
recording details of the waterway pad				
participants, and details of the paddlir		-		
trip logs to your Skipper.	0 1			
Cruise/Destination				
12. Environment				
a. Discuss with an adult leader the Fe				
Pollution Control Act as related to oil	discharges	. Explain		

7

Ordinary Requirement	Initial	Date		
what a "Discharge of Oil Prohibited" placard is and, if				
applicable, find it aboard your ship's vessels.				
b. Explain what aquatic nuisance species are and how				
you can help stop their spread.				
c. Explain how the principles of Leave No Trace can be				
applied to boating trips.				
13. Weather				
a. Read and understand a local weather bulletin. Know				
how to obtain current marine and weather reports from				
the National Weather Service in your area by telephone,				
radio, or online.				
b. Find a river in your area and review the forecasted flow				
levels by using the National Weather Service's Hydrologic				
Prediction Service's map and graphs. Compare				
forecasted flow levels to average flow levels using the				
USGS National Water Information System web page.				
14. Cruising	I	1		
a. Help plan and participate In an overnight boating trip. If				
you cannot sleep aboard your vessel, participating in a				
multi-day trip will meet this requirement				
b. While on the cruise, perform the duties of a helmsman for at least 30 minutes. If underway in a paddlecraft,				
paddling independently or as a stern paddler/steersman				
will meet this requirement.				
15. Boating Safety Course				
Successfully complete a boating safety course approved				
by the National Association of State Boating Law				
Administrators (NASBLA) offered by one of the following				
agencies: a state boating agency, the United States				
Power Squadrons, the United States Coast Guard				
Auxiliary, or other private or military education courses.				
16. Service				
a. Log at least 8 hours of work on ship equipment,				
projects, or activities other than ship meetings, parties,				
dances, or fun events.				
Project Date Hours				
		<u> </u>		

Ordinary Requirement					Date
<u> </u>					
	icipate with your ship founity service projects.	or at least 8	hours in		
Projec	t	Date	Hours		
17. Ele				ı	1
	e any three electives frong Quartermaster rank	•			
Level	Elective		Date		
				_	
Review	vs				1
Skippe	rs' Conference				
Bridge	of Review				

Able Requirement			Initial	Date
1. Ideals				
a. Organize and conduct two in	npressive ope	ening and		
closing ceremonies for your sh				
b. Explain how our nation's maritime history has				
contributed to our way of life. N	•			
convey information to one or m		•		
following methods (or somethin	•	5 5		
Skipper): video, computer slide	•	, .		
board (project board display), diorama, model, annotated				
photo album, verbal report, or v	•			
comparison purposes, a writter	•			
words would form an appropria	ile explanatio	<u> </u>		
Active Membership a. Meet your ship's bylaws requ	uirement for a	activo		
participation in your ship's mee				
months.	and act	IVILIES IOI SIX		
b. Prepare and present a progr	am on Sea S	couts for a		
Scouts BSA troop, Venturing of				
Association meeting, Cub Scot		•		
Maritime Explorer, University o	•	•		
class, or other youth group. Your presentation should last				
a minimum of 15 minutes and describe the activities of				
your ship and Sea Scouts				
3. Leadership				
Either serve and fulfill the response	onsibilities of	a crew leader		
or an elected officer of your shi	p.			
OR				
		0.40.040		
Serve as an activity chair for tw	, ,			
Responsibilities should include		•		
evaluating the event. (These events are in addition to the Ordinary requirement.)				
Event Date Initial				
Date mila				
OR				
With a boat operator plan a boat equipment, provisions and locations	•			
cyalpinoni, provisions and loca	mori. Comy II	avigation		

Able Requirement	Initial	Date
charts to determine course to the location and		
topographical charts of the sea floor create a dive plan for		
the participants making the dive.		
4. Swimming	<u> </u>	
Pass all requirements for the Scouts BSA's Lifesaving		
merit badge. 5. Safety		
a. Develop and use a customized vessel safety checklist		
for a boat used by your ship.		
b1. Discuss fire prevention on motorized vessels.		
OR		
b2. Explain how entanglements or entrapments, such as		
but not limited to loose ropes and difficult to remove		
sprayskirts, can be avoided in kayaks, canoes,		
paddleboards and rafts.		
c. Know the classes of fires and the substances that will		
extinguish each type of fire.		
d. In a safe place, under adult supervision, demonstrate		
your ability to successfully extinguish a class A and a class B fire with an approved fire extinguisher. If required,		
see that the fire extinguisher used is properly recharged or		
replaced.		
e. Conduct a fire safety inspection of the vessel normally		
used by your ship or of your ship's meeting place. Note		
any fire hazards and report them to your ship's adult		
leaders.		
f. Complete the certification for standard first aid through		
the American Red Cross, the American Heart Association,		
or other approved organizations' standard first aid course.		
g. Complete the certification for CPR through the		
American Red Cross, the American Heart Association, or		
other approved organizations' course.		
OR		
Obtain certification from DAN®'s Professional Diver first		
aid course or an equivalent USCG approved course.		
6. Marlinspike Seamanship		

Able Requirement		Initial	Date
a. Complete a back splice, eye			
splice, and a palm-and-needle	whipping.		
Back Splice			
Eye Splice			
Short Splice			
Long Splice			
Palm & Needle Whipping			
b. Sew a flat seam, round sear			
canvas or sail material. Describ			
construction of and the care of	sails.		
Flat Seam			
Round Seam			
Grommet Eye			
c1. Describe the parts of a bloc	•		
are sized. Describe the following		:	
double purchase, single whip,	•		
another shipmate, reeve a dou	·		
OR			
c2. On land, establish a 2 point	t load distributing anchor		
point and a 3:1 mechanical adv	vantage system (e.g., Z-		
drag) used to unpin paddlecraf			
weight at least five feet across	•		
must include a progress captur	re system and a damper.		
7. Boat Handling		1	1
a1. Demonstrate your ability to			
boat equipped with a motor. In			
starting, leaving a dock, maneu	uvering, docking and		
coming alongside.			
OR	2		
a2. In a human propelled vesse	el, board the vessel and		
depart from shore, paddle or ro			
line forward 200 feet and back			
180 degrees or more to right a	nd left; and move sideways		
10 feet or more to right and left	· ·		
paddles). Then, while underwa	y, turn 90 degrees to right		

Able Requirement	Initial	Date
and left while maintaining headway and maneuver through		
a figure of 8 course with markers set three to four boat		
lengths apart. Finally return to shore and disembark the		
vessel. At all times, maintain proper trim and balance.		
b. Know the names and functions of lines used to secure		
a vessel to a wharf or pier. Understand and execute		
docking commands used in handling lines on your ship's		
primary vessel.		
c1. Understand and execute docking commands used in		
handling lines on your ship's primary vessel.		
OR		
c2. Demonstrate landing your paddlecraft parallel to the		
shoreline, perpendicular to the shoreline or parallel to a		
dock.		
8. Ground Tackle	<u>. </u>	
a. Describe the various kinds of anchor rode and the		
advantages and disadvantages of each type.		
b. Identify the parts of the anchor cable starting with the		
anchor and ending at the vessel.		
c. Describe the methods of marking chain or rode and		
demonstrate that you know the chain or rode markings on		
your ship's vessel.		
d1. While on a cruise assist in the construction of an		
anchor watch schedule and stand one watch.		
OR		
d2. Establish a watch for boats secured to a shore or		
beach and stand one watch.		
e. Identify a capstan or windlass and explain its use in		
handling line, wire rope, or chain.		
9. Navigation Rules		
a. Demonstrate a working knowledge of Navigation Rules,		
International and Inland.		
b. Explain vessel lights and day shapes for the following:		
towing (astern, alongside, pushing ahead, and cannot		
deviate), fishing, trawling, restricted maneuverability, not		

Able Requirement			Initial	Date
under command, underwater operation	ns, constra	ained by		
draft, dredging, aground, and sailing v		•		
c. Understand the system of aids to n	•			
in your area. Include buoys, lights, an	-			
their significance and corresponding chart symbols.				
d. Read in detail a National Ocean Se	•	•		
preferably for the area normally cruise	ed by your	snip,		
identifying all marks on it.				
10. Piloting and Navigation	complete	dock log		
a1. Supervise the proper keeping of a for three days of cruising (one cruise	•	_		
day cruises). Submit the cruise logs to				
	J your Okip	per.		
OR				
a2. Keep a journal of paddling trips th	at includes	names of		
participants, access points, waterway	-			
notable events. Record at least three	ϵ trips in the	journal		
and submit to your Skipper.	T	·r		
Cruise/Destination	Date	Initial		
b1. Lay a course of at least three legs	and execu	ite it using		
dead reckoning.				
OR				
b2. Make a scuba dive, navigating thr	ee leas un	derwater		
using a compass, measuring distance	•			
logging all information Use a chart to plan depth and				
topography.				
c. Demonstrate your ability to fix your position by the				
following methods: taking bearings from	om two kno	wn		
objects, running fix, and estimated po				
d. Establish distance from a known ob		"double		
the angle on the bow" and explain how	w to set a c	langer		
bearing.				

Able Requirement	Initial	Date
e. Enter three waypoints into an electronic navigation		
device (i.e. GPS, chartplotter) and navigate your vessel to		
each point. Demonstrate the use of the MOB function of		
your electronic navigation device.		
f. Discuss how radar is used in situational awareness and		
the method of taking a radar fix.		
g. Explain the use of tide tables, current tables, light lists,		
and how to update a chart using the Notice to Mariners.		
11. Practical Deck Seamanship	ı	
a. Demonstrate your knowledge of personal safety		
equipment needed while cleaning, maintaining, or		
repairing your vessel.		
b. Know the names, uses, sizes, and proper care of the common hand tools used by your ship.		
c. Identify and explain the use of the following: thimble,		
shackle, turnbuckle, pelican hook, and other ship's		
hardware and fittings commonly used aboard your ship's		
vessels.		
d1. Demonstrate proper surface and coating preparation,		
coating techniques, care of stored coatings, and cleaning		
of brushes and tools used to maintain surfaces on your		
ship's vessel.		
OR		
d2. Demonstrate how to make a minor repair on a		
paddlecraft used by your ship.		
e1. Explain techniques used for the maintenance,		
protection, and repair of hulls and decks on your ship's		
vessel.		
OR		
e2. Explain the techniques used for the maintenance,		
protection and storage of paddlecraft used by your ship.		
12. Environment		
a. Demonstrate your knowledge of local environmental		
laws related to the proper storage, disposal, and cleanup		
of maritime coating materials, fuels, and other		
environmentally sensitive materials.		

Able Requirement		Initial	Date
b. Discuss with an adult leader the dumping	of garbage in		
the marine environment. Review the contents of the			
MARPOL placard and locate it aboard your ship's vessels			
if applicable.			
c. Explain the importance of protecting marii	ne		
endangered species, using a representative	species as an		
example (mammal, bird, fish, or reptile). As			
include a description of the species, its habit			
current population numbers, and current ste	. •		
employed to help its recovery. Note: Refer to	o the definition		
and expectation for "explain" in Able 1b.			
13. Weather		ı	
Demonstrate your ability to read a baromete			
thermometer, anemometer, and weather var	ne. Be familiar		
with the Beaufort Wind Force Scale.			
14. Cruising			
Earn the Long Cruise badge.			
15. Electives		1	
Choose any four level 2 or higher electives f			
options listed following Quartermaster rank i	T1		
Level Elective	Date		
Reviews			<u>I</u>
Skippers' Conference			
Bridge of Review			

Quartermaster Requirement	Initial	Date
1. Ideals	1	<u> </u>
a. Initiate a discussion on the ideals stated in the Sea Promise.		
b. Prepare a written analysis, offering recommendations for improvements regarding one of the following ship's programs: bylaws and code, training programs,		
ceremonies, quarterdeck meetings, recruiting programs, or fund-raising.		
2. Active Membership		
a. Meet your ship's bylaws requirement for active participation in your ship's meetings and activities for six months.		
b. Present a talk or program at least 15 minutes long on Sea Scouts to a service club, religious organization, PTA, or other adult organization.		
3. Leadership		
 a. Quartermaster Project: While an Able Sea Scout, plan, develop, and demonstrate leadership to others in a service project that is helpful to any religious institution, school, or your community. The project plan must be approved by your Skipper and ship committee and approved by the council or district advancement committee before you start. This service project should involve your ship and at least one other group. You must use the Quartermaster Service Project Workbook, 420-011 to document your work. b. Officer: Serve as a ship officer for at least six months. c. Quartermaster Cruise: 		
Do ONE of the following:		
1. Take command of one or more vessels crewed by not less than four Sea Scouts (e.g., four single occupant vessels or a single vessel with four occupants) for at least 40 consecutive hours, including two nights. You must delegate and supervise all duties. Prior to departure, create a trip plan and receive approval from your ship's Skipper. If your boats are transported to the water, inspect all vessels, with an adult leader, and evaluate whether they are adequately secured for transportation prior to		

departure. In addition, prior to the trip, complete the following: file a float plan, inspect the vessel(s) for required equipment; supervise all menu preparation; prepare the vessel(s) to get underway with a proper checklist approved by the adult leaders; launch, anchor, dock, and maintain course by commands to the helmsman appropriate for your vessel(s); remain underway for an extended period during darkness if your vessel has running lights; and discuss appropriate nighttime running procedures. While underway, perform safety and rescue drills appropriate to your boat(s), such as capsize, person in the water, towing vessels, damage control, abandon ship, fire, collision, and any other drills used by your ship. During this cruise no substantial errors may be committed. OR 2. Successfully complete SEAL (Sea Scout Experience Advanced Leadership) training. OR 3. Plan and serve as coordinator on a "live-aboard" dive trip of at least three days with all dive plans, equipment, food, surface and underwater charts on dive sites, specific training including all financial, safety information and emergency protocols. d. Organize and help conduct the Scouts BSA's Introduction to Leadership Skills for Ships (ILSS) for your ship, or serve as staff on a NYLT, NYLT Leadership Academy, NAYLE, SEAL, Kodiak, Wood Badge course, or Sea Badge course. 4. Swimming Complete the requirements for lifeguard through BSA, the American Red Cross, or other approved organizations' lifeguard course. 5. Safety a. Know the heavy-weather precautions taken aboard power, sailing, and paddle vessels when dangerous weather approaches, and demonstrate these precautions	Quartermaster Requirement	Initial	Date
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Quartermaster Requirement	Initial	Date
b. Know the special precautions that should be taken		
when limited visibility is encountered.		
c. Teach Apprentice Safety 5a. and Ordinary Safety 5a.,		
5b., and 5c. requirements to a crew.		
6. Marlinspike Seamanship		
a. Teach the Apprentice, Ordinary, and Able marlinspike		
seamanship requirements to a crew.		
b. Make an eye splice in double-braided line.		
7. Boat Handling		
a1. Take charge of the craft used by your ship and give all commands to the crew for picking up a mooring buoy and properly mooring the vessel in several wind and current situations.		
OR		
a2. Take charge of three or more single occupant vessels, and give all the commands necessary to move the group successfully to the opposite shore, across a river in moving water, or lake in windy conditions, without drifting downstream or down lake.		
b1. Demonstrate and teach the principles of springing into and out from a dock, from both bow and stern, using an engine depending on the type of vessel used by your ship.		
OR		
b2. Demonstrate and teach the proper way to enter moving water with a canoe, kayak, paddleboard or raft, facing both upstream and downstream, while in an eddy and from shore.		
c. Teach Ordinary and Able boat handling requirements to		
a crew.		
8. Ground Tackle		
a. Teach the Ordinary and Able anchoring requirements to a crew.		
b. Know the methods of bringing a vessel to anchor and a mooring with special emphasis on wind and current.		

c. Take charge of a vessel used by your ship and give all commands to the crew for setting and weighing anchor in several wind and current situations. 9. Navigation Rules Teach the Ordinary navigation rules requirements and Able 9.b and 9.c to a crew. 10. Piloting and Navigation a. Teach the Ordinary and Able piloting requirements to a crew. b. Know the methods of fixing a boat's position in limited visibility. c1. Create a route in an electronic navigation device that includes at least five waypoints. Use the electronic navigation device to navigate your route. OR c2. Demonstrate and teach the proper way to enter moving water with a canoe, kayak, paddleboard or raft, facing both upstream and downstream, while in an eddy and from shore. 11. Weather a. Teach the Ordinary and Able weather requirements to a crew. b. Demonstrate your knowledge of the weather signs for your local area, including cloud types. Prepare a 48-hour forecast and compare your forecast with the actual weather that occurred. 12. Environment a. Discuss the three types of marine sanitation devices and the laws governing sewage discharge. b. Explain what gray water is and how it should be handled in your boating area. c1. Write a 500-word report on an aquatic environment (freshwater, coastal, estuary, or sanctuary). Include in the report the location, habitat, history, animals and plants that inhabit the area, its importance to man, current regulations, and what boaters can do to help preserve it for future generations.	Quartermaster Requirement	Initial	Date
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	for future generations.		

Quarte	ermaster Requirement		Initial	Date	
	OR				
endang Americ potenti negativ	c2. Write a 500-word report on ONE of America's most endangered rivers (as identified by the list provided by the American Rivers organization) highlighting the threats and potential solutions. Discuss the impact, both positive and negative, in doing or not doing each potential solution.				
13. Ele					
[e any four level 3 electives.				
Level	Level Elective Date				
Review	Reviews				
Skippers' Conference					
Submit	Submit Application to Council				
Counc	I Bridge of Review				

ELECTIVES

Note: All participants in official Scouting activities should become familiar with the <u>Guide to Safe Scouting</u>, applicable program literature or manuals, and be aware of state or local government regulations that supersede Boy Scouts of America practices, policies, and guidelines.

Ordinary: Choose any three level 1 electives.

Able: Choose any four level 2 electives.

Quartermaster: Choose any four level 3 electives.

Level/Elective	Initial	Date
Leadership	I.	
2. Attend National Youth Leadership Training (NYLT).		
2. Attend NYLT Leadership Academy.		
3. Attend National Advanced Youth Leadership Training		
(NAYLE).		
3. Attend a Kodiak Challenge.		
3. Attend SEAL (can only be counted if SEAL was not		
used for your Quartermaster Cruise requirement).		
3. Attend Wood Badge (youth 18 and over).		
3. Attend Leadership Challenge at Philmont or the Summit		
(youth 18 and over).		
3. Attend Seabadge (youth 18 and over).		
Duty to God		
1. Participate in two appropriate interfaith Scout's Own		
religious services during ship outings.		
2. Plan and conduct two appropriate Scout's Own		
interfaith religious services during ship outings.		
3. Complete the requirements for the religious emblem of		
your faith. (Refer to the Duty to God brochure, No. 05-		
897A.		
Sailing		

Level/Elective	Initial	Date
1. In a cat-rigged or similar small vessel, demonstrate		
your ability to sail single-handedly a triangular course		
(leeward, windward, and reaching marks). Demonstrate		
beating, reaching, and running. A qualified sailing		
instructor should observe this requirement.		
2. While leading a crew of not less than two other		
persons, demonstrate your ability to sail a sloop or		
another suitable vessel correctly and safely over a		
triangular course (leeward, windward, reaching marks),		
demonstrating beating, reaching, running, and the proper commands.		
3. Know the principles of handling a schooner, ketch,		
yawl, or other suitable sailing vessel. Under competent		
oversight, take charge of a crew and demonstrate your		
ability to handle a suitable sailing vessel in all points of		
sail.		
Paddlecraft		
1. Join the American Canoe Association (ACA) or an ACA		
Paddle America Club.		
2. Take a course from an ACA certified instructor or an		
equivalent, ie: State-certified paddling instructor.		
2. Complete the requirements for one of the following:		
Boardsailing BSA, Kayaking BSA, or Stand Up Paddling		
BSA, or the Kayaking, Whitewater, or Canoeing merit		
badge. (Note: This must be a different activity from the		
one chosen under Level 2 Electives – Specialty		
Proficiency.)		
2. Compete in a freestyle, downriver, flatwater or slalom		
paddling race in a canoe, kayak, or Stand Up		
Paddleboard (SUP), using nationally accepted rules.		
2. Successfully complete an ACA level one or higher		
assessment in canoe, kayak or SUP.		
2. Complete an ACA level 3 or higher swiftwater rescue		
Course.		
2. Earn ACA instructor certification in canoe, kayak or		
SUP at any level.		

Level/Elective	Initial	Date
3. Complete the Scout Leader Watercraft Safety Course.		
Conduct a watercraft safety class for your ship using		
Paddle Smart America materials. Identify sources of		
safety brochures and other materials that could be used		
by your ship and distribute to troops in your area or your		
chartered organization.		
SCUBA		
2. Complete an Open Water Diver course from NAUI,		
PADI, or any other Recreational Scuba Training Council		
Certification Agency		
2. Plan and coordinate a public service event such as		
underwater trash cleanup, coral reforestation project, or		
invasive species reduction project.		
2. Complete an Advanced Diver course from any RSTC		
agency.		
2. Complete a DAN® Oxygen Administration Course.		
3. Maintain a dive logbook (either electronic with backup		
or paper) to record a minimum of 25 dives after receiving		
basic Open Water Diving Certification.		
3. Take an additional certification course such as VIP		
process, tank filler/compressor operations, night diving,		
underwater navigation, underwater archaeology,		
underwater photography. Each course may be counted as		
an elective.		
3. Complete a Rescue Course from any RSTC agency.		
3, Become a certified Dive Master, Assistant Instructor or		
Instructor. Each certification may be counted as an		
elective. (Must be over 18 and log at least 50 dives.)		
Vessels	,	
1. Teach and lead a crew under oar using a boat pulling at		
least four oars single- or double-banked. Perform the		
following maneuvers: get underway, maneuver ahead and		
back, turn the boat in its own length, dock, and secure.		

Level/Elective	Initial	Date
3. Under competent oversight, assume the duties of		
navigator of your ship's vessel. Plot its projected course		
between two ports at least two hours apart and cruise that		
course mooring to mooring handling all piloting duties.		
The cruise should be made in daylight hours with good		
visibility.		
3. Obtain a US Coast Guard OUPV (Operator of		
Uninspected Passenger Vessels) boat operator license.		
(Must be over 18 to take test but can collect Sea Service		
time before 18.)		
Sail Racing		
1. Describe the procedures used in yacht racing and the		
signals used by the race committee to start a race. Serve		
as a crew member in a race sailed under current		
International Sailing Federation Rules.		
2. i) Demonstrate your understanding of the shapes, flag		
hoists, gun, and horn signals used in yacht racing as well		
as a working knowledge of the racing rules of the		
International Sailing Federation (ISAF).		
ii) Serve as helmsman, with one or more additional crew		
members, of a sloop-rigged or other suitable boat with a		
spinnaker in a race sailed under ISAF racing rules.		
3. Take charge of a crew in a race using current ISAF		
racing rules.		
Engines	1	
1. Perform routine maintenance on your ship's propulsion		
system, including filter, spark plug, oil changes, proper		
fueling procedures and other routine maintenance tasks.		
Refer to operations manuals or your ship's adult leaders		
for correct procedures and guidance.		
2. i) Understand the safe and proper procedures for the		
use of gasoline and diesel inboard engines, including		
fueling, pre-start checks, ventilation, starting, running,		
periodic checks while running, securing, postoperative		
checks, and keeping an engine log.		

Level/Elective	Initial	Date
ii) Using the type of engine aboard the vessel you most		
frequently use, demonstrate your understanding of basic		
troubleshooting and the preventive maintenance schedule		
recommended by the manufacturer.		
3. i) Explain the principal features of steam turbine,		
turboelectric, direct reversing diesel, diesel-electric, gas		
turbine, nuclear, gasoline, and diesel engines and the		
relative advantages of each type. ii) Explain the operation		
of spark ignition and compression ignition for internal		
combustion engines used aboard small vessels. iii)		
Demonstrate your familiarity with the engine aboard the		
vessel used by your ship, including its principles of		
operation, fuel, lubrication, cooling and electrical systems,		
and their component parts. iv) Demonstrate your ability to		
locate and correct minor engine troubles according to the		
engine manufacturer's troubleshooting guide.		
Vessel Maintenance		
2. Demonstrate your proficiency and knowledge of		
fiberglass repair and gel coating while working on your		
ship's vessel or other similar vessel.		
Demonstrate your knowledge of small paddlecraft		
construction by building your own or assisting in building a		
canoe or kayak from wood, fiberglass, or other suitable		
materials. Kits may be used.		
3. Take charge of reconditioning or overhauling at least		
one of your ship's vessels, or take charge of hauling out		
the principal vessel used by your ship. In either case, lay		
out a plan of the work to be done in advance, including an		
estimate of the materials, tools, cost, and time involved.		
3. Take charge of building a paddlecraft. Lay out the plan		
of work to be done, identify suitable building plans,		
estimate materials, tools, cost, and time involved. Launch		
the craft.		

Level/Elective	Initial	Date
Electricity	l	
3. i) Know and demonstrate the correct method of		
rescuing a person in contact with a live wire. ii)		
Understand the construction of simple battery cells.		
Demonstrate the proper care of storage batteries. iii)		
Explain the difference between direct current and		
alternating current and the best uses for each. iv)		
Demonstrate that you know how to replace fuses, reset		
circuit breakers, and properly splice shipboard electric		
cable. v) Submit a diagram of the electrical system aboard		
the vessel used by your ship. vi) Explain wire tables, the		
current-carrying capacity of circuits, and the hazards and		
prevention of electrical overloading. vii) Explain		
electrolysis as applied to the deterioration of a boat's		
underwater fittings by galvanic action and its prevention.		
Rigging	<u> </u>	
3. Demonstrate your ability to splice and handle wire rope,		
attach wire rope fittings, and complete a safety and tuning		
inspection of a vessel.		
Specialty Proficiency		
2. Complete the requirements for one of the following:		
Mile Swim BSA, Boardsailing BSA, Kayaking BSA, Stand		
Up Paddling BSA, or Snorkeling BSA, Whitewater Rafting		
BSA, Scuba BSA or the Kayaking, Whitewater, or		
Canoeing merit badge. (Note: This must be a different		
activity from the one chosen under Level 2 Electives –		
Paddlecraft.)		
2. Complete the National Safe Boating Council course		
Boat Control On-Water Training.		
3. Become proficient in boardsailing, surfing, kayaking, or		
whitewater rafting/canoeing.		
3. Teach another Sea Scout the information needed to		
complete the Scouts BSA Kayaking, Canoeing or		
Whitewater merit badge or the SUP or Boardsailing		
award.		
3. Attend Powderhorn (youth 14 and over)		

Level/Elective	Initial	Date
Ornamental Ropework	l l	
1. Make a three-strand Turk's head and a three-strand monkey's fist. Using either ornamental knot, make up a heaving line.		
2. Demonstrate your ability to fashion the following items of ornamental ropework: four-strand Turk's head, coach whipping, cockscombing, round braid, flat sennit braid, wall knot, and crown knot. Make a useful item such as a boatswain's lanyard, rigging knife lanyard, bell rope, etc., or decorate a portion of your ship's equipment such as a stanchion, rail, lifeline, tiller, etc.		
Maritime Tradition		
1. Boatswain Call: Demonstrate your ability to use a boatswain's pipe by making the following calls—word to be passed, boat call, veer, all hands, pipe down, and piping the side.		
1. Drill: Demonstrate your ability to execute commands in close-order drill.		
2. Maritime History: Describe the highlights of maritime history from the earliest times to the present. Include the evolution of vessel construction and propulsion, important voyages of exploration and development, the origin of maritime traditions, and the achievements of notable maritime leaders in U.S. sea history.		
2. Drill: Demonstrate your ability to give and execute commands in close-order drill.		
3 Celestial Navigation: i) Explain how the sextant works. Show how to use it and demonstrate measuring horizontal angles and altitudes. ii) Find latitude by the altitude of Polaris or by the sun's altitude at local apparent noon. Demonstrate how longitude is determined. iii) Demonstrate finding error in the boat's compass by the sun's azimuth.		
3. Drill: Demonstrate your ability to handle the ship's company in close-order drill. Do all required maneuvers.		

Electives 8

Level/Elective	Initial	Date
3. Communication: Draw the International Code flags and		
pennants from memory and give the single-letter		
meanings (Alpha = Have diver down, keep clear) of the		
flags. Show how to use the book International Code of		
Signals.		
United States Coast Guard Auxiliary		
1. Be inducted as a Basic Qualified member of a United		
States Coast Guard Auxiliary flotilla.		
2. Successfully complete the Coast Guard Auxiliary		
Boating Skills and Seamanship course. All core sessions,		
as well as at least three elective sessions, must be		
completed to fulfill this requirement.		
3. Successfully complete the Coast Guard Auxiliary		
Weekend Navigator course.		
3. Join a local Coast Guard Auxiliary flotilla as a Basic		
Qualified member and qualify for any Operational Auxiliary		
Program (AUXOP) or any Trident Marine Safety specialty		
rating.		
America's Boating Club (formerly United States Power	Squad	rons)
1. Be inducted as a member of your local America's		
Boating Club.		
2. As a member of America's Boating Club complete the		
Seamanship and Piloting courses.		
3. As a member of America's Boating Club complete the		
Advanced Piloting course.		
Awards		
2. Complete any Nova Award (Each award completed		
counts as a Level 2 elective).		

Guidance 1

QUARTERMASTER TEACHING REQUIREMENTS

Quartermaster Requirement	Teach Apprentice	Teach Ordinary	Teach Able
5.c. Safety	5.a.	5.a, b, c	
6.a. Marlinspike Seamanship	6	6	6
7.c. Boat Handling		7	7
8.a. Ground Tackle		8	8
9. Navigation Rules		9	9.b, c
10.a. Piloting and Navigation		10	10
11.a. Weather		13	13

REQUIRED WRITTEN REPORTS

"Explain" means to convey information to one or more people using any of the following methods (or something similar approved by your Skipper): video, computer slide show (PowerPoint), story board (project board display), diorama, model, annotated photo album, verbal report, or written report. For comparison purposes, a written report of 500 to 1,000 words would form an appropriate explanation.

Able 1.b.	Explain how our nation's maritime history has contributed
71316 213.	to our way of life.
Able 12.c.	Explain the importance of protecting marine endangered
	species, using a representative species as an example
	(mammal, bird, fish, or reptile). As a minimum, include a
	description of the species, its habitat, history, current
	population numbers, and current steps being employed to
	help its recovery.
Quartermaster	Prepare a written analysis, offering recommendations
1.b.	for improvements regarding one of the following ship's
	programs: bylaws and code, training programs,
	ceremonies, quarterdeck meetings, recruiting programs,
	or fund-raising.
Quartermaster	Write a 500-word report on an aquatic environment
12.c	(freshwater, coastal, estuary, or sanctuary). Include in the
	report the location, habitat, history, animals and plants
	that inhabit the area, its importance to man, current
	regulations, and what boaters can do to help preserve it
	for future generations.

DAY SAILING/BOATING LOG				
DATE(s)	VESSEL	DESCRIPTION		

2

DAY SAILING/BOATING LOG				
DATE(s)	VESSEL	DESCRIPTION		

	BOAT WORK LOG			
DATE	PROJECT DESCRIPTION	HOURS		

COMMUNITY SERVICE LOG			
DATE	PROJECT DESCRIPTION	HOURS	
		1	

PERSONAL CRUISE LOG			DATE
DEPARTURE:			TIME
STOPOVER:			TIME
ARRIVAL:			TIME
VESSEL	MILES	HOURS MOTOR	HOURS SAIL
WEATHER	WIND	HOURS NIGHT	HOURS DAYTIME
CREW & GUESTS			
LOG OF EVENTS			
SKIPPER/MATE			SEAL
Name	Signature		_

PERSONAL CRUISE LOG			DATE	
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STOPOVER:			TIME	
ARRIVAL:			TIME	
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WEATHER	WIND	HOURS NIGHT		HOURS DAYTIME
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Name Si	gnature			

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LOG OF EVENTS				
SKIPPER/MATE				SEAL
Name Si	gnature			

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PERSONAL CRUISE LOG			DATE	
DEPARTURE:			TIME	
STOPOVER:			TIME	
ARRIVAL:			TIME	
VESSEL	MILES	HOURS MOTOR		HOURS SAIL
WEATHER	WIND	HOURS NIGHT		HOURS DAYTIME
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SKIPPER/MATE				SEAL	
Name Sig	gnature				

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