



## Sea Scout Personal Advancement Record (SPAR)

This SPAR is designed to provide Sea Scouts with an easy-to-use record to track their advancement. All requirements found in this SPAR are based on the current requirements found in the Sea Scout Manual (No. 33239C). This is not an official document of and is not produced or distributed by the Boy Scouts of America.

The SPAR may be downloaded from [www.SeaScouts.us](http://www.SeaScouts.us) and may be reproduced locally for use by U.S. Sea Scouts. If you find errors in this document or have suggestions as to how we can improve the SPAR please contact us at [BrightIdeas@SeaScouts.us](mailto:BrightIdeas@SeaScouts.us).

## SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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### Sea Scout Advancement - Apprentice

Date

Signature

#### Ideals

1. Qualify as an official member of your Sea Scout ship by taking part in the ship's admission ceremony. \_\_\_\_\_
2. Repeat from memory and discuss with an adult leader the Sea Promise and Scout Oath and Law. Discuss the Venturing Code and agree to carry out the provisions of your ship's code. \_\_\_\_\_

#### Active Membership

3. Provide evidence that your dues are paid and that you are doing your fair share in helping to finance your ships program. \_\_\_\_\_
4. Describe the Sea Scout uniform and obtain one. Tell how and when the uniform is worn and how to care for it. \_\_\_\_\_

#### Special Skills

5. **Seamanship:** Using both large and small lines, tie and explain the use of the following knots: square knot, bowline, clove hitch, sheet bend, two half hitches, figure eight, and cleat hitch. Demonstrate the ability to use a heaving line. \_\_\_\_\_
6. **Safety:** Know the basic safety rules for small boats. Know the safety rules that apply to the floating 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. Demonstrate the proper use of a personal flotation device such as a life jacket or a life buoy. Be familiar with and be able to list the standard marine distress signals, and demonstrate the procedure to send a VHF distress call. \_\_\_\_\_
7. **Customs:** Demonstrate the proper procedure for boarding a vessel. Demonstrate normal usage of personal courtesies on board a ship. \_\_\_\_\_
8. **Swimming:** 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 an easy resting backstroke. After completing the swim, rest by floating. Discuss the Safe Swim Defense Plan with a ships officer. \_\_\_\_\_
9. **Work:** Log at least 16 hours of work on ship equipment, projects, or activities other than regular ship meetings, parties, dances, or fun events. \_\_\_\_\_

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Skipper's Review. I have reviewed this Sea Scout's SPAR and find that he or she has satisfied all requirements for advancement to Apprentice Sea Scout.

Signature

Printed Name

Ship

Date

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Ordinary

Date

Signature

### Ideals

1. Give an explanation of the Sea Scout emblem and tell how and why it is used. Prove that you have a general understanding of the customs and courtesies of the sea.
2. Give a brief history of the U.S. flag and show when to fly it and how to hoist, lower, fold, display, and salute it.

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### Active Membership

3. Attend at least 75 percent of your ship's meetings and special activities for six months.
4. Complete quarterdeck training, either as a petty officer or as a prospective petty officer, as provided and required by your ship and council.
5. Recruit a new member for your ship and follow through until the new member is registered and formally admitted. (This requirement may be waived by the ship committee if additional membership is not possible at the time the Sea Scout applies.)

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_____	_____
_____	_____

### Special Skills

6. **Boats:** Know the identifying features and special advantages of 10 of the following types of boats: canoe, catamaran, dinghy, dory, kayak, motor cruiser, motor lifeboat, motor sailer, motor whaleboat, pram, pulling whaleboat, punt, runabout, self-bailing surfboat, skiff, trimaran. Name the principal parts of the type of craft commonly used by your ship.

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Know the proper display of boat flags and courtesy on small boats.

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Demonstrate your ability to handle a rowboat.

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7. **Marlingspike Seamanship:** Using line appropriate to the craft you normally use, tie the following knots and explain the use of each: overhand knot, stevedore's knot, bowline on a bight, timber hitch, rolling hitch, marline hitch, midshipman's hitch, and double bowline (French bowline).

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Name the various materials used for rope, the advantages and disadvantages of each, and the characteristics of laid and braided rope. Understand the meaning of lay, thread, strand, and hawser.

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Demonstrate the ability to secure a line to pilings, bits, and rings, and to coil, flake, and Flemish a line. Know how rope is sized and measured.

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Demonstrate how to cut and heat-seal a synthetic line.

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## SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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### Sea Scout Advancement - Ordinary (page 2)

**Date**

**Signature**

8. **Ground Tackle:** Describe five types of anchors. Describe how each type holds the bottom, the kind of bottom in which it holds best, and any other advantages or disadvantages.

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\_\_\_\_\_

Name the parts of a stock anchor and a stockless anchor. Demonstrate the ability to weigh and set anchor.

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9. **Piloting:** Explain the degree system of compass direction. Explain variation and deviation, and show how corrections are applied to correcting and uncorrecting compass headings assigned by your consultant.

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\_\_\_\_\_

Name relative bearings expressed in both degrees and points. Be able to report objects in view and wind directions with respect to the boat, and know the duties of a lookout.

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\_\_\_\_\_

Name three kinds of devices used aboard ship for measuring speed and/or distance traveled and, if possible, demonstrate their use.

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\_\_\_\_\_

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.

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\_\_\_\_\_

10. **Communications:** Name the three principal methods of visual signaling and explain the advantages and limitations of each method.

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Name the three principal types of radiotelephone equipment in marine use and demonstrate your knowledge of correct radiotelephone procedures.

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\_\_\_\_\_

11. **Time:** Understand Universal Coordinated Time (Greenwich Mean Time) and zone time, and demonstrate the ability to convert from one to the other for your local area. Name the seven watches and bell time. Understand the 24-hour system of telling time.

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\_\_\_\_\_

12. **Swimming:** Meet the requirements for the Swimming merit badge.

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13. **Cruising:** Take part in planning and then make a two-day (including overnight) cruise in an approved craft under leadership. Submit a satisfactory log of the cruise.

\_\_\_\_\_

\_\_\_\_\_

Name the wheel or helm orders specified in the current Pilot Rules manual. While on the cruise, perform the duties of a helmsman.

\_\_\_\_\_

\_\_\_\_\_

14. **Safety:** Know the man overboard, fire, abandon ship, and all other drills used by your ship.

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\_\_\_\_\_

List the equipment that should be contained in an abandon ship bag, and list the duties to be performed before abandoning ship.

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\_\_\_\_\_

## SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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### Sea Scout Advancement - Ordinary (page 3)

**Date**

**Signature**

List safety equipment required by law for your ship's main vessel. Discuss BSA Safety Afloat with a ship's officer.

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15. **Galley:** While on a cruise or at a camp, prepare or take charge of a breakfast, lunch, and dinner, including boiled, fried, and uncooked dishes. Demonstrate your ability to properly use the galley equipment or personal cooking gear generally used aboard your craft.

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\_\_\_\_\_

Demonstrate appropriate sanitation techniques for food preparation and meal cleanup.

\_\_\_\_\_

\_\_\_\_\_

Submit a menu, list of provisions, and estimated costs before meeting the above requirement.

\_\_\_\_\_

\_\_\_\_\_

Explain the use of charcoal, pressurized alcohol, propane, and compressed natural gas stoves, including safety precautions for each.

\_\_\_\_\_

\_\_\_\_\_

16. **Sailing:** 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.

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\_\_\_\_\_

Describe the identifying characteristics of a sloop, ketch, yawl, cutter, and schooner.

\_\_\_\_\_

\_\_\_\_\_

17. **Work:** As a Seaman Apprentice log at least 16 hours of work on ship equipment, projects, or activities other than regular ship meetings, parties, dances, or fun events.

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\_\_\_\_\_

18. **Electives:** Do any three of the following:

a. **Drill:** Demonstrate your ability to execute commands in close-order drill.

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\_\_\_\_\_

b. **Signaling:** Send and receive semaphore messages using proper procedures at a rate of at least 30 letters a minute.

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c. **Compass:** Box the compass to 32 points and demonstrate your ability to compute the degree heading for each point. Describe the relationship between the 32 points and the relative bearing system using points.

\_\_\_\_\_

\_\_\_\_\_

d. **Yacht Racing:** Describe the procedures used in yacht racing, and the signals used by the race committee to start a race, and serve as a crew member in a race sailed under current International Sailing Federation Rules.

\_\_\_\_\_

\_\_\_\_\_

e. **Sailing:** In a cat-rigged or similar small boat, demonstrate the ability to sail single-handedly a triangular course (leeward, windward, and reaching marks). Demonstrate beating, reaching, and running. A qualified instructor must observe this.

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\_\_\_\_\_

## SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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### Sea Scout Advancement - Ordinary (page 4)

Date

Signature

f. **Ornamental Rope Work:** Demonstrate your ability to make a three-strand Turk's head and a three-strand monkey's fist. Using either ornamental knot, make up a heaving line.

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\_\_\_\_\_

g. **Engines:** Perform routine maintenance on your ship's propulsion system, including filter, spark plug, oil changes, and other appropriate proper fueling procedures. Refer to operation manuals or ship officers for correct procedures.

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\_\_\_\_\_

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Skipper's Review. I have reviewed this Sea Scout's SPAR and find that he or she has satisfied all requirements for advancement to Ordinary Sea Scout.

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Signature

Printed Name

Ship

Date

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Able

Date

Signature

### Ideals

1. Organize and conduct two impressive opening ceremonies and two impressive closing ceremonies for your ship.

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\_\_\_\_\_

2. Demonstrate and explain the proper etiquette for boarding a Sea Scout vessel, landship, and naval vessels. Explain and demonstrate when and where to display the U.S. ensign, ship, and signal flags on a Sea Scout, Coast Guard, or Navy vessel.

\_\_\_\_\_

\_\_\_\_\_

Or,

Lead your ship in a discussion of how the sea history of our nation has contributed to our way of life.

\_\_\_\_\_

\_\_\_\_\_

### Active Membership

3. Attend at least 75 percent of your ship meetings and special activities for one year.

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\_\_\_\_\_

4. Serve effectively either as an elected petty officer of your ship or as the chair of a major activity.

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\_\_\_\_\_

5. Prepare and present a 15-minute program on Sea Scouting before a Boy Scout troop, Venturing crew, Venturing Officers' Association meeting, school class, or other youth group. Some of this time should be used to describe the activities of your ship, with time allowed for questions and discussion of Sea Scouting.

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\_\_\_\_\_

### Special Skills

6. **Boats:** Know and use a customized equipment checklist for your vessel. Learn and demonstrate your ability to properly operate a boat equipped with an outboard motor of not more than 25-horsepower. included should be proper mounting of the motor, fueling, manual starting, leaving a dock, maneuvering, coming alongside, and securing the motor (including flushing if in salt water). Some states require an operator's license for outboard motor operations. Secure such a license, if required, before meeting this requirement.

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\_\_\_\_\_

Locate the capacity plate required to be affixed to all newer small boats. Show how to compute the safe loading capacity for a small boat.

\_\_\_\_\_

\_\_\_\_\_

7. **Marlinspike Seamanship:** Submit an eye splice, short splice, and a palm-and-needle whipping. Know the names and functions of lines used to secure a vessel to a dock. Understand and execute docking commands used in handling lines on your ship's main vessel.

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\_\_\_\_\_

Describe the parts of a block and how blocks are sized. Demonstrate the various types of tackle used by your ship.

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\_\_\_\_\_

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Able (Page 2)

Date

Signature

Submit a flat seam, round seam, and grommet eye sewn in canvas or Dacron. Describe how each is used in the care of sails.

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\_\_\_\_\_

8. **Ground Tackle:** Identify a capstan or windlass and explain its use in handling line, wire rope, or chain. Identify and explain the fittings used to handle chain. Describe the various kinds of anchor rode and the advantages of each type.

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\_\_\_\_\_

Describe the methods of marking chain. Understand and execute the commands used in handling ground tackle.

\_\_\_\_\_

\_\_\_\_\_

Identify and explain the use of the following: thimble, shackle, turnbuckle, pelican hook, sister hook, and other ship's hardware and fittings commonly used aboard your craft. Describe how each is sized.

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\_\_\_\_\_

9. **Piloting:** Understand the system of aids to navigation employed in your area, including buoys, lights, and daymarks, and their significance and corresponding chart symbols. Read in detail a National Ocean Service chart, preferably for the area normally cruised by your ship, identifying all marks on it. Explain the use of tide tables, current tables, light lists, and how to update a chart using the Notice to Mariners.

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\_\_\_\_\_

Describe the deck log kept aboard your ship's principal craft. Keep a complete log for three cruises.

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\_\_\_\_\_

While on the water, determine a fix of your position from three or more visual bearings and plot this position on a chart.

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\_\_\_\_\_

10. **Swimming:** Meet the requirements for the Lifesaving merit badge.

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\_\_\_\_\_

11. **Cruising:** Make a long cruise (two weeks) after becoming Ordinary. Earn the Long Cruise badge.

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\_\_\_\_\_

12. **Safety:** Know and put into practice the rules for fire prevention. Conduct a fire safety inspection of the craft normally used by your ship or of your ship's meeting place. Note any fire hazards and report them to your ship's petty officers.

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\_\_\_\_\_

Know the different kinds of fire extinguishing agents and how each works. Know the classes of fires and the type of fire extinguisher that may or may not be used for each. In a safe place under adult supervision, demonstrate the extinguishing of class A and class B fires with an approved fire extinguisher. See that the fire extinguisher used is properly recharged or replaced.

\_\_\_\_\_

\_\_\_\_\_

13. **First Aid:** Meet the requirements for First Aid merit badge or American Red Cross Standard First Aid. Obtain CPR certification. Demonstrate the Heimlich maneuver and tell when it is used.

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\_\_\_\_\_

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Able (Page 3)

Date

Signature

14. **Rules of the Road:** Explain and demonstrate a working knowledge of the nautical rules of the road that govern the local waters used by your ship's principal craft. Explain and demonstrate ship's lights, rules in limited visibility, whistle signals, and right of way, including exceptions vessels. Describe special lights and day shapes deployed on the following vessels: not under command; restricted by ability to manover; constrained by draft; fishing (trawling); sailboat.

\_\_\_\_\_

\_\_\_\_\_

15. **Navigation:** Understand the systematic division of the earth's surface by latitude and longitude. On Mercator charts, place the coordinates of maritime positions and locate positions on charts when furnished with coordinates.

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\_\_\_\_\_

Demonstrate your ability to fix your position by the following methods: lines of positions on two known objects, running fix, and estimated position.

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\_\_\_\_\_

Discuss the method for establishing a radar fix. Lay a course and execute it using dead reckoning.

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\_\_\_\_\_

Establish distance from a known object using "double the angle on the bow" and explain how to set a danger angle.

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\_\_\_\_\_

Discuss how GPS (Global Positioning System) operates, the purpose of way points, and the use of set and drift.

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\_\_\_\_\_

16. **Boat Maintenance:** Know how and why to use marine enamel, varnish, and synthetic coatings for both topsides and underbodies of boats. Demonstrate the proper surface and coating preparation, coating techniques, care of stored coatings, and cleaning of brushes. Explain any special techniques needed for the maintenance and repair of fiberglass hulls and decks.

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\_\_\_\_\_

Know the names, uses, sizes, and proper care of the common hand tools used aboard your craft.

\_\_\_\_\_

\_\_\_\_\_

17. **Electives:** Do any three of the following.

a. **Sailing:** While in command of a crew of not less than two other persons, demonstrate your ability to sail a sloop or another suitable boat correctly and safely over a triangular course (leeward, windward, reaching marks) demonstrating beating, reaching, running, and the proper commands.

\_\_\_\_\_

\_\_\_\_\_

b. **Boats:** Teach and command a crew under oars using a boat pulling at least four oars single- or double-banked. Perform the following maneuvers: get under way, maneuver ahead and back, turn the boat in its own length, dock, and secure.

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\_\_\_\_\_

## SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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### Sea Scout Advancement - Able (Page 4)

**Date**

**Signature**

c. **Radio:** Demonstrate the correct procedures to transmit and receive radiotelephone distress (Mayday), urgency (Pan), and safety (Security) messages, as well as normal traffic.

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d. **Drill:** Demonstrate your ability to give and execute commands in close-order drill.

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e. **Engines:** Understand the safe and proper procedures for gasoline and diesel inboard engines, including: fueling, prestarting checks, ventilation, starting, running, periodic checks while running, securing, postoperative checks, and keeping an engine log.

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\_\_\_\_\_

If possible, demonstrate using the type of engine (gasoline or diesel) aboard the craft you most frequently use. Understand and demonstrate the preventive maintenance schedule recommended by the manufacturer.

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Demonstrate basic knowledge of troubleshooting.

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\_\_\_\_\_

f. **Yacht Racing:** Demonstrate your understanding of the shapes, flag hoists, gun, and horn signals used in sailboat racing as well as a working knowledge of the racing rules of the International Sailing Federation.

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\_\_\_\_\_

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.

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g. **Sea History:** Know the highlights of sea history from the earliest times to the present. Include the evolution of boat construction and propulsion, important voyages of exploration and development, the origin of sea traditions, and leaders of U.S. sea history and their achievements.

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\_\_\_\_\_

h. **Ornamental Ropework:** 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 bos'n's call lanyard, rigging knife lanyard, bell rope, etc., or decorate some portion of your ship's equipment such as a stanchion, rail, lifeline, tiller, etc., as an example of your work.

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i. **Specialty Proficiency:** Do one of the following: become a certified scuba diver; become proficient in windsurfing, surfing, kayaking, or whitewater rafting/canoeing.

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\_\_\_\_\_

Skipper's Review. I have reviewed this Sea Scout's SPAR and find that he or she has satisfied all requirements for advancement to Able Sea Scout.

Signature

Printed Name

Ship

Date

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Quartermaster

Date

Signature

### Ideals

1. Lead a discussion on the subject participating citizenship at a ship meeting or with a separate group of your peers.

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\_\_\_\_\_

2. Write and submit a paper of about 200 words that tells how and what your ship can do to contribute to the world fellowship of Scouting.

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Or

Prepare a written analysis of one of the following: your ship's bylaws, constitution, administration, or ceremonies and make recommendations for change to your ship's Quarterdeck.

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### Active Membership

3. Attend at least 75 percent of your ship's meetings and special activities for 18 months (including previous service of Apprentice, Ordinary, and Able).

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4. Present a brief talk or program (15 minutes in length is suggested) on Sea Scouting at a service club, religious organization, PTA, or other adult organization.

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5. While an Able Sea Scout, plan, develop, and give leadership to others in a service project helpful to any religious institution, any school, or your community. The project idea must be approved by your Skipper and ship committee and approved by the council or district before you start. This service project should involved your ship and at least one other group.

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### Special Skills

6. **Boats:** Demonstrate and teach the Motorboating merit badge. Know the principles of springing into and out from a dock, from both bow and stern, using an engine depending on the type of craft used by your ship. Take charge of the craft used by your ship, or suitable powered craft and give all necessary commands to the crew while coming alongside and getting under way in several wind and current situations.

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\_\_\_\_\_

7. **Marlinspike Seamanship:** Teach the Ordinary and Able requirements No. 7, Marlinspike Seamanship to a crew. Demonstrate an eye splice in double braided line.

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\_\_\_\_\_

8. **Ground Tackle:** Teach the Ordinary and Able requirements No. 8, Ground Tackle, to a crew.

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Know the methods of bringing a boat to anchor or mooring with special emphasis on wind and current with respect to the vessel's course and speed.

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# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Quartermaster (Page 2)

Date

Signature

Take charge of the craft used by your ship and give all commands to the crew for anchoring and weighing anchor in several different wind and current situations.

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\_\_\_\_\_

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.

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9. **Piloting:** Teach the Ordinary requirement No. 9 and Able requirement No. 15 to a crew.

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Know the methods of fixing a boat's position in limited visibility, and the special precautions that should be taken when limited visibility is encountered.

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10. **Signaling:** Draw the international code flags and pennants from memory and give the single-letter meanings of the flags. Demonstrate your ability to use the book, International Code of Signals.

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11. **Swimming:** Meet the requirements for BSA Lifeguard or Red Cross lifesaving, and obtain certification where applicable.

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\_\_\_\_\_

12. **Cruising:** Take command of a vessel with a crew of not less than four Sea Scouts for at least 48 hours (including two consecutive nights). Do no work while in command. You must delegate all duties and supervise only. During the cruise complete the following:

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\_\_\_\_\_

a. Inspect the vessel for required equipment.

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\_\_\_\_\_

b. Supervise the menu preparation.

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c. Prepare the boat to get under way with a proper checklist.

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d. Anchor, dock, and maintain course by commands to the helmsman.

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\_\_\_\_\_

e. Remain under way for at an extended period during darkness. Discuss appropriate nighttime running procedures.

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\_\_\_\_\_

f. While under way, perform man overboard, damage control, abandon ship, fire fighting, collision drills, and any other drills used by your ship.

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\_\_\_\_\_

During this cruise no substantial errors may be committed. A competent adult leader should grade and observe this requirement and, if necessary for safety reasons, take command of the vessel.

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\_\_\_\_\_

13. **Safety:** Know the heavy weather precautions taken aboard both power and sailing craft when dangerous weather approaches, and demonstrate these precautions aboard the craft used by your ship. Reference: See the Sea Scout Manual, "Heavy Weather" on page 251.

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# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Quartermaster (Page 3)

Date

Signature

14. **Rules of the Road:** Teach Able Requirement No. 14, Rules of the Road, and demonstrate a working knowledge of both international and inland navigation rules.

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\_\_\_\_\_

15. **Weather:** Demonstrate your ability to read a barometer, thermometer, anemometer, psychrometer, and weather vane. Be familiar with the Beaufort scale of winds and seas.

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\_\_\_\_\_

Read and understand a local weather bulletin. Know how to obtain current marine and weather reports from the National Weather Service in your area either by telephone or radio.

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\_\_\_\_\_

Know weather signs for your local area, including cloud types, and prepare a 48-hour forecast from them. Compare your forecast with the actual weather that occurred.

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\_\_\_\_\_

16. **Electives:** Do four of the following.

a. **Sailing:** Know the principles of handling a schooner, ketch, yawl, or other suitable sailing craft. Under competent direction, take charge of a crew and demonstrate your ability to handle a suitable sailing craft in all points of sail.

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\_\_\_\_\_

b. **Engines:** 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.

\_\_\_\_\_

\_\_\_\_\_

Understand the operation of spark ignition and compression ignition for internal combustion engines used aboard small craft. Be familiar with the engine aboard the craft used by your ship, including its principles of operation, fuel, lubrication, cooling and electrical systems, and their component parts.

\_\_\_\_\_

\_\_\_\_\_

Be able to locate and correct minor engine troubles according to the engine manufacturer's troubleshooting guide. Note: With the help of your ship's officers, locate a consultant who has a knowledge of engines. Read the consultant's suggested reference material, and ask the consultant to relate this to the engine aboard your craft.

\_\_\_\_\_

\_\_\_\_\_

c. **Radio:** Qualify for and obtain the Marine Radio Operator Permit as issued by the Federal Communications Commission.

\_\_\_\_\_

\_\_\_\_\_

d. **Boat Maintenance:** Take charge of reconditioning or overhauling at least one of your ship's boats, or take charge of hauling out the principal craft 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.

\_\_\_\_\_

\_\_\_\_\_

e. **Electricity:** Know and demonstrate the correct method of rescuing a person in contact with a live wire. Demonstrate the approved method of resuscitation. Understand the construction of simple battery cells.

\_\_\_\_\_

\_\_\_\_\_

# SEA SCOUT PERSONAL ADVANCEMENT RECORD (SPAR)

Sea Scout Name: \_\_\_\_\_ Birthdate: \_\_\_\_\_

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## Sea Scout Advancement - Quartermaster (Page 4)

Date

Signature

Demonstrate the proper care of storage batteries. Understand the difference between direct current and alternating current and the best uses for each. Demonstrate that you know how to replace fuses, reset circuit breakers, and properly splice shipboard electric cable.

\_\_\_\_\_

\_\_\_\_\_

Submit a diagram of the electrical system aboard the craft used by your ship or aboard another craft. Understand wire tables, the current-carrying capacity of circuits, and the hazards and prevention of electrical overloading. Understand electrolysis as applied to the deterioration of a boat's underwater fittings by galvanic action and its prevention.

\_\_\_\_\_

\_\_\_\_\_

f. **Navigation:** Understand how the sextant works. Show how to use it and demonstrate measuring horizontal angles and altitudes. Understand the navigator's day's work.

\_\_\_\_\_

\_\_\_\_\_

Demonstrate finding latitude by the altitude of Polaris or by the sun's altitude at local apparent noon. Demonstrate how longitude is determined. Demonstrate finding error in the boat's compass by the sun's azimuth.

\_\_\_\_\_

\_\_\_\_\_

g. **Drill:** Demonstrate the ability to handle the ship's company in close-order drill. Do all required maneuvers.

\_\_\_\_\_

\_\_\_\_\_

h. **Piloting:** Under competent direction, assume the con of your ship's vessel. Plot its projected course between two ports, and cruise that course mooring to mooring, handling all piloting duties and acting as officer of the deck. The cruise should be made in daylight hours with good visibility.

\_\_\_\_\_

\_\_\_\_\_

i. **Yacht Racing Crew:** Take charge of a crew in a race using current ISAF racing rules.

\_\_\_\_\_

\_\_\_\_\_

j. **Rigging:** Demonstrate your ability to splice and handle wire rope, attach wire rope fittings, and complete a safety and tuning inspection of a ship vessel.

\_\_\_\_\_

\_\_\_\_\_

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Skipper's Review. I have reviewed this Sea Scout's SPAR and find that he or she has satisfied all requirements for advancement to Quartermaster Sea Scout.

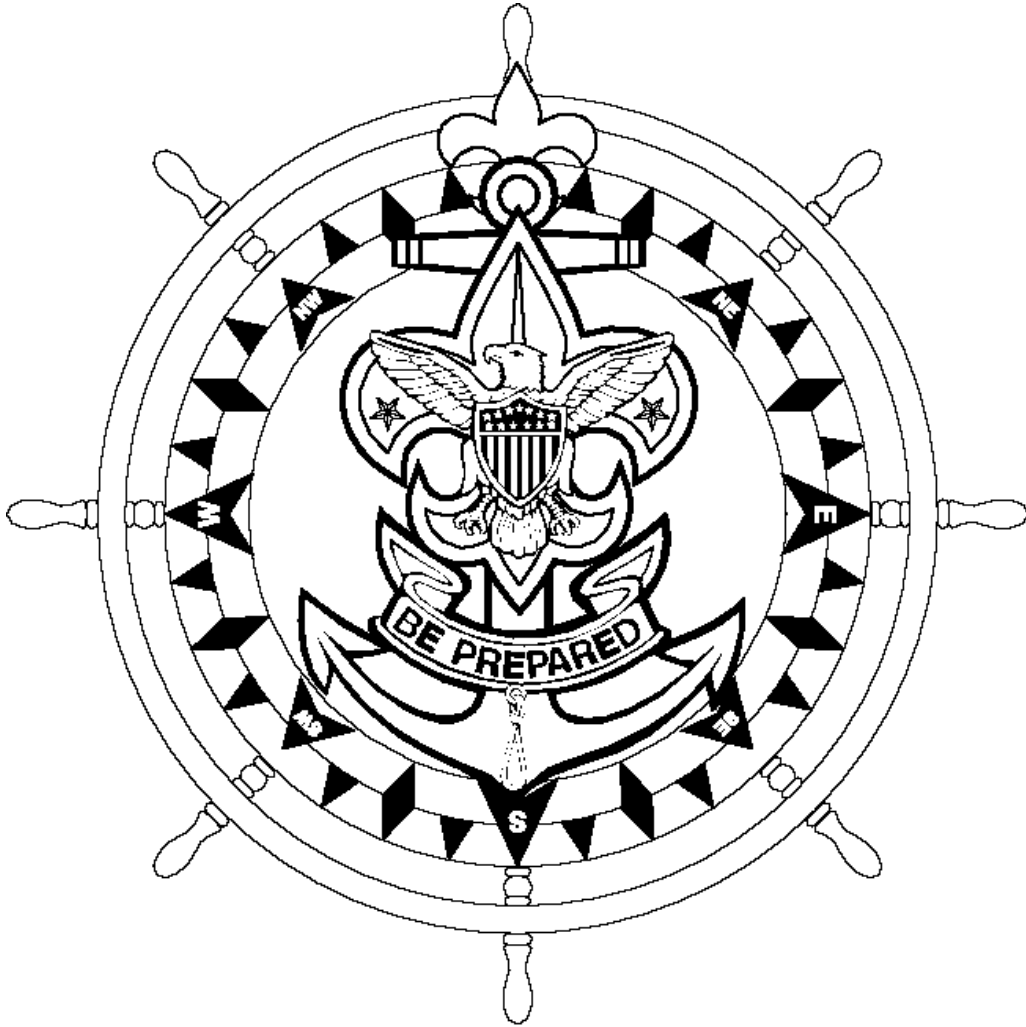
Signature

Printed Name

Ship

Date

# QUARTERMASTER



## SERVICE PROJECT WORKBOOK

Scout's name \_\_\_\_\_ Skipper's name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_  
Telephone number \_\_\_\_\_ Telephone number \_\_\_\_\_  
Ship number \_\_\_\_\_ District \_\_\_\_\_ Council \_\_\_\_\_

# QUARTERMASTER SERVICE PROJECT

You have earned the Seaman Able rank and are ready to begin your Quartermaster service project. This workbook will assist you in planning and recording the progress of your project and in completing and submitting a final report.

## The Requirement

“While a Able, plan, develop, and give leadership to others in a service project helpful to your religious institute, school, or community. This project must be approved by your Skipper, Ship committee, and by the council or district advancement committee before you start. You must use the eagle Scout Service Project Workbook, No. 18-927 in meeting this requirement.”

## Originality

Does the project for Quartermaster have to be original, perhaps something you dream up that has never been done before? The answer is “No, but it certainly could be.” You may pick an Quartermaster project that has been done before, but you must accept responsibility for planning, direction, and following through to its successful completion.

## Limitations

Routine labor (a job or service normally rendered) should not be considered. Work involving council property or other BSA activities is not permitted. The project also may not be performed for a business, be of a commercial nature, or be a fundraiser. (Fundraising is permitted only for securing materials or supplies needed to carry out your project.)

## Size

How big a project is required? There are not specific requirements, as long as the project is helpful to a religious institution, school, or community. The amount of time spent by you in planning your project and the actual working time spent in carrying out the project should be as much as necessary for you to demonstrate your leadership of others.

## Examples

A look at some projects other Scouts have done for their Quartermaster illustrates that your project may be to construct something or may be to render a service.

- Made trays to fasten to wheelchairs for disabled veterans in a VA hospital.
- Collected used books and distributed them to people in town who wanted and needed, but couldn't afford them.
- Put a sturdy footbridge across a brook to make a safe shortcut for children between their homes and school.
- Collected and repaired used toys and gave them to a home for handicapped children.
- Organized and ran a bicycle safety campaign. This involved a written safety test, equipment safety checking, and a skill contest in a bike rodeo.
- Surveyed the remains of an old Spanish mission and prepared an accurate map relating it to the present church.
- Built a “tot lot” in a big city neighborhood and set up a schedule for Boy Scouts to run it.
- Set up a community study center for kids with no place at home to do schoolwork.

## Approvals

### Before You Start

Your project idea must be approved by your Skipper, Ship Committee, and council or district advancement committee before the project is started. The following questions must be answered before giving its approval:

- Who will benefit?
- How will they benefit?
- What official from the group benefited will be contacted for guidance in planning the project?
- How many people will be recruited to carry out the project?

## After Completion

Although your project was approved by your Skipper, Ship Committee, and council or district advancement committee before it was begun, the Quartermaster bridge of review must approve the manner in which it was carried out. Questions that must be answered follow:

- Did you demonstrate leadership of others?
- Were you indeed the project director, rather than doing the work yourself?
- Was the project helpful to the religious institution, school, or community group?
- Did the project follow the plan?
- If changes were made, why were they made?

### Filling Out the Form

As you plan and carry out your Quartermaster service project, use these pages to record your plans and progress. Remember that others will be reading these pages. You should print, type, or write legibly. You may remove the staples and add pages if you wish.

# PROJECT DESCRIPTION

## Concept

Describe the project you plan to do.

What group will it benefit?

\_\_\_\_\_

Name of religious institution, school, or community

\_\_\_\_\_

Address (location)

My project will be of benefit to the group because:

The concept was discussed with my Skipper on \_\_\_\_\_

Date

The project concept was discussed with \_\_\_\_\_

Name

\_\_\_\_\_

Title

\_\_\_\_\_

Phone number

of \_\_\_\_\_

Religious institution, school, or community

Date

# PLANNING DETAILS

Plan your work by describing the present condition, the method, materials to be used, project helpers, and a time schedule for carrying out. Describe any safety hazards you might face and explain how you will ensure the safety of those carrying out the project.

## Approvals

Project plans approved by \_\_\_\_\_ Date  
Religious institution, school, or community

Project plans approved by \_\_\_\_\_ Date  
Skipper

Project plans approved by \_\_\_\_\_ Date  
Ship Committee

Project plans approved by \_\_\_\_\_ Date  
Council or district advancement committee

**YOU MAY NOW PROCEED TO CARRY OUT YOUR PROJECT.**

# CARRYING OUT THE PROJECT

Keep a record and make notes as your project progresses. include dates worked, those assisting you and their time spent, and the materials (type and cost), if used.

Dates of actual project work \_\_\_\_\_

Dates

\_\_\_\_\_

Dates

\_\_\_\_\_

Dates

**Notes**



## Notes

### **Assisted by**

I was assisted by the following Sea Scouts and/or other individuals:

<b>Name</b>	<b>Date Worked</b>	<b>Hours Worked</b>
-------------	--------------------	---------------------

### **Changes**

The original project plans were followed except the following changes (include reasons for change):

**Materials (if used)**

**Type**

**Cost**

**Time Spent**

The amount of time spent should be as adequate as necessary for you to demonstrate your leadership of others (two or more) in planning and carrying out your project.

Total time I spent planning the project \_\_\_\_\_

Total time I spent carrying out the project \_\_\_\_\_

Total time spent by others assisting on the project \_\_\_\_\_

Date the project was completed \_\_\_\_\_

The project was started and completed since I received the Seaman Able rank and is respectfully submitted for consideration.

Applicant's signature \_\_\_\_\_

Date \_\_\_\_\_

This project was planned, developed, and carried out by the candidate.

Skipper's signature \_\_\_\_\_

Date \_\_\_\_\_