

# Seamanship Merit Badge Worksheet



## Requirement 1

Demonstrate the correct way of whipping, coiling, and flinging a rope using at least a one-inch diameter rope.

- Whipping
- Coiling
- Flinging

Describe the characteristics of three different types of rope commonly used by seamen.

#	Type of Rope	Description of Characteristics
1		
2		
3		

## Requirement 2

Using at least a one-inch diameter rope, make the following, and explain the practical uses in seamanship of each type:

#		Make	Explain the Practical Uses
A1	Knot used by Seamen _____		
A2	Knot used by Seamen _____		
A3	Knot used by Seamen _____		
B1	Bend used by Seamen _____		
B2	Bend used by Seamen _____		

#		Make	Explain the Practical Uses
C1	Hitch used by Seamen _____		
C2	Hitch used by Seamen _____		
D	Short Splice		

### Requirement 3

Demonstrate on sail cloth the use of palm and needle.

And in making the following:

- A herring-bone stitch
- Flat Seams
- Round Seams

### Requirement 4

Demonstrate the following:

- Making a line fast to a cleat
- Making a line fast to a ring-bolt
- Making a line fast to a file
- A simple whip
- A single block tackle
- A double block tackle

### Requirement 5

Describe and explain the uses of a snatch block and a becket.

	Describe	Explain the Uses
<b>Snatch Block</b>		

	Describe	Explain the Uses
<b>Becket</b>		

### Requirement 6

Do any four of the following:

#### Requirement 6A

Box the compass to 32 points.

Explain the following:

<b>Quarter Point and Degree Systems</b>	
<b>Compass Deviations</b>	
<b>Compass Variations</b>	
<b>Importance of the North Star to Seamen</b>	

**Requirement 6B**

Have a working knowledge of:

<b>Weather and Tides</b>	
<b>Coast and Geodetic Survey Charts</b>	

Understand buoyage systems as used on:

<b>Coastwise Harbors</b>	
--------------------------	--

<b>Rivers</b>	
<b>Bays</b>	

**Requirement 6C**

Describe at least two kinds of anchors.

#	Type of Anchor	Describe
1		
2		

<b>Describe the Uses of a Lead Line</b>	
<b>Describe the Outstanding Features of a Lead Line</b>	

**Requirement 6D**

Know what lights and other equipment are required by law for the following:

	<b>Lights Required</b>	<b>Other Equipment Required by Law</b>
<b>A Power-Driven Pleasure Boat of Class 2</b>		
<b>A Power-Driven Motor Boat under 26 Feet</b>		
<b>Sailing Vessels</b>		

**Requirement 6E**

Understand the proper flying of the following:

<b>Ensign</b>	
<b>Jack</b>	

<p><b>Two other flags commonly used</b></p> <p>Flag 1 _____</p>	
<p><b>Two other flags commonly used</b></p> <p>Flag 2 _____</p>	

**Requirement 6F**

Know the following:

<p><b>What the danger sector is when two vessels are approaching</b></p>	
<p><b>What signals are used when a vessel is passing – to the left</b></p>	
<p><b>What signals are used when a vessel is passing – to the right</b></p>	
<p><b>What signals are used when a vessel is passing by a sailing vessel lying at anchor in fog</b></p>	

<p><b>What signals are used when a vessel is passing by a power-driven vessel</b></p>	
<p><b>Two types of distress signals commonly used at sea other than the radio</b></p>	<p>(1)</p> <p>(2)</p>

**Requirement 6G**

Do the following:

- Fully dressed (in shoes, trousers, and jumper or coat), jump overboard in deep water, undress, and accompanies by a boat, swim 100 meters under supervision of your Counselor.
- Demonstrate the proper use of a life-belt
- Demonstrate the proper use of a life-buoy

**Requirement 7**

Do the following:

- Handle a rowboat with a pair of oars
- Handle a rowboat with a single oar (sculling)
- Launch a rowboat or banca properly from shore
- Land a rowboat or banca properly to shore
- Bring the rowboat or banca alongside a pier, properly assist a passenger into the boat, row twenty meters, come back to the pier, and assist the passenger safely and properly off the boat.
- Handle correctly some type of boat, under sail on all points of sailing, getting underway, reefing, docking, and anchoring.