

The Sea Cadets



SEAMANSHIP SPECIALISATION



CADET LOG BOOK

NAME:

SHORT TITLE – CLB(SM)
FOURTH EDITION
OCTOBER 2005

PERSONAL DETAILS

SURNAME	
FORENAME/S	
RATE	
SCC UNIT	

Riggng & Ropework	3rd Class	2nd Class	1st Class
Date Commenced			
Date Completed			
Instructor(s)			

Chartwork	3rd Class	2nd Class	1st Class
Date Commenced			
Date Completed			
Instructor(s)			

HOW TO USE YOUR LOG BOOK

1. The following pages contain a series of tasks you need to complete to qualify for 3rd, 2nd or 1st Class Seamanship, in Rigging and Ropework or Chartwork.
2. Each task should be signed off by a qualified Seamanship Instructor/Examiner.
3. It is your responsibility to ensure that all entries are completed and signed by your Instructor/Examiner.
4. Remember – you must show you understand fully each task before your Instructor/Examiner signs that task as having been completed.
5. This Log book is made to be available if asked for by your Area Officer, Area Staff Officer (Seamanship) or District Officer.
6. All information to complete your Log Book can be found in the Sea Cadets Seamanship Training Manual.
7. If you have any problems completing the tasks listed seek the advice of your Instructor/Examiner

IF IN DOUBT ASK

Enter the names of your Unit/District/Area instructors helping you complete this log book.

NAME	RANK/RATE	APPOINTMENT

Enter the name of your Area Staff Officer Seamanship

NAME	RANK

Enter the name of the Headquarters Staff Officer Seamanship

NAME	RANK

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THIRD CLASS SEAMANSHIP

TASK 1 **GENERAL SEA TERMS**

Understand the meaning of the following Sea Terms:

Principal Parts of a Ship:

Stem	Stern	Bow	Quarter
Beam	Starboard side	Port side	Forward
Aft	Fore & Aft line	Athwartships	Amidships
Forecastle	Quarterdeck	Waist	Upper deck
Bridge	Bulkhead	Brow	Deck head
Draught	Galley	Gangway	Heads
Hatch	Ladder	Deck	Bilge

Miscellaneous Sea Terms:

Adrift	Belay	Shipshape	Way
Bearing	Ahead	Astern	Abeam
Awash	Relative Bearing	On the bow	On the quarter

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TASK 2 BENDS & HITCHES

Revise the Bends & Hitches taught during your Part 1 training:

Figure of Eight Knot

Round turn & two half hitches

Reef Knot

Practice and demonstrate the following bends & hitches, and briefly explain their use:

- a. Rolling Hitch
- b. Sheet Bend
- c. Double Sheet Bend
- d. Timber Hitch
- e. Clove Hitch
- f. Bowline
- g. Fisherman's Bend

Name	Rate	Date

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TASK 3 GENERAL ROPE WORK

Demonstrate and practice the following and briefly explain the reason for their use:

- a. Elementary Safety Rules for handling ropes and hawsers
- b. Construction and types of Natural Fibre Cordage
- c. Coiling down a rope
- d. Cheesing down a rope
- e. Faking and preparing (a rope) for running
- f. Belaying on a cleat and/or a belaying pin
- g. Making a Heaving Line knot
- h. Make up a Heaving Line to throw, then throw it
- j. Recover and make up a Heaving Line to stow away
- k. Make a West Country whipping

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TASK 4 GENERAL RIGGING

You should be able to explain and understand the following:

- a. Parts of a block (based on an IIB or SRBF)
- b. Types of block (Metal/SRBF/Snatch/IIB)
- c. Parts of a tackle
- d. Rig a simple tackle (Luff)
- f. Participate in a rigging evolution

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THIRD CLASS ASSESSMENT

THIRD CLASS SEAMANSHIP TASKS COMPLETED

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SECOND CLASS SEAMANSHIP

TASK 5 RIGGING EXERCISES

Demonstrate and practice using equipment available in the unit:

- a. Simple Derrick.
 - i Name all parts
 - ii Use of thumb piece and rope collar
 - iii Correct use of strops

- b. Sheers.
 - i Name all parts
 - ii Correct application of head lashing
 - iii Correct use of strops

- c. Gyn.
 - i Name all parts
 - ii Correct application of head lashing
 - iii Options available to splay the legs.

Note:

Large poles should not be used and heavy weights should not be lifted.

Name	Rate	Date

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TASK 6 BENDS & HITCHES

Practice and revise Task 2

Demonstrate and practice:

- a. Terms used in bends and hitches.
A bight, a round turn, a half hitch, a twist, an overhand knot.
- b. A Running Bowline.
- c. A Bowline on the bight.
- d. A Sheepshank.

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TASK 7 GENERAL ROPEWORK

Revise and Practice Task 3

Demonstrate and practice:

- a. Types and construction of man-made fibre cordage.
- b. Value and types of hawsers
- c. Use and value of Springs
- d. Belaying on a bollard.
- e. Racking lines on a bollard.
- f. Dipping the eye of mooring lines.
- g. Making a Monkeys Fist.

Name	Rate	Date

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TASK 8 SPLICING & WHIPPING

Revise West Country Whipping, Task 3

Practice and demonstrate the following whippings & splices and briefly explain their use:

- a. A Common whipping
- b. A Sailmakers' whipping
- c. A Soft Eye Splice – in hawser laid rope
- d. A Short Splice – in hawser laid rope
- e. A Back Splice – in hawser laid rope
- f. Dogging

Name	Rate	Date

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TASK 9 SAFETY

Revise Elementary Safety Rules for handling ropes and hawsers from Task 3

Teach

- a. Orders and terms used in handling hawsers, ropes and cables.
- b. Care and maintenance of cordage.
- c. Safe working loads.
- d. Handling and uses of rigging tools and equipment.

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TASK 10 GENERAL RIGGING

Revise Task 4

Demonstrate and practice:

- a. Types of hooks, shackles and thimbles and their uses.
- b. Mousing a hook and shackle (using wire or twine).
- c. Types of Strop (Common, Bale Sling, Selvagee, Grommet)
Making a Common Strop.
- d. Square and Diagonal lashings.
- e. Flat seizing.
- f. Types of whips and tackles.
- g. Using tackles to Advantage and Disadvantage.
- h. Racking and Choking.

Name	Rate	Date

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TASK 11 RIGGING EVOLUTION PRACTICAL

Plan and execute:

A nominated Rigging exercise.

Name	Rate	Date

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TASK 12 BASIC SAILMAKING

Demonstrate and practice:

- a. Use of sailmaker's needles, palm and tools (from those available in unit).
- b. Basic sewing skills – sailmaker's darn, tabling, round and flat seams.
- c. Produce a practical item in canvas or other material (e.g. small bag or cover).

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SECOND CLASS ASSESSMENT

SECOND CLASS SEAMANSHIP TASKS COMPLETED

Name	Rate	Date

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FIRST CLASS SEAMANSHIP RIGGING & ROPEWORK

TASK 13 BENDS & HITCHES

Demonstrate and practice:

- a. A Marling Hitch.
- b. A Constrictor Knot.
- c. Masthead jury Knot.
- d. A Waggoner's Hitch (lorry driver's hitch).
- e. A Hunter's Bend.

Name	Rate	Date

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TASK 14 GENERAL ROPEWORK

Demonstrate and practice:

- a. Types and construction of man-made fibre cordage available at present.
- b. Make a rope grommet.
- c. Stoppers – natural and man-made fibre.
- d. Soft Eye Splice – braided rope.
- e. Soft Eye Splice – plaited rope.
- f. Hard Eye Splice – natural fibre rope.
- g. Soft Eye Splice – hawser laid man-made fibre rope.
- h. Seized Thimble Eye.
- j. Palm and Needle whipping.

Name	Rate	Date

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TASK 15 GENERAL RIGGING

Demonstrate and practice:

- a. Care and maintenance of rigging equipment.
- b. Rigging practicals – plan and execute a rigging evolution
[Examples: Gyn, Sheerlegs, Derrick, Light jackstay / aerial runway, design and lay a small boat mooring, improvised marker buoy, temporary mast – to name but a few].

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TASK 16 BASIC SAILMAKING

Revise Task 12

Demonstrate and practice:

- a. Basic repairs – patching and darning
- b. Grommet eyelets
- c. Sailmaking practical exercise – construct a practical piece of equipment for use in the Unit. (Examples: a boat's bag, engine / prop cover, hold-all, screen etc)

Name	Rate	Date

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TASK 17 DECORATIVE ROPEWORK

Demonstrate and practice:

- a. Wall and Crown knot
- b. Crown and Wall knot
- c. Turks Head
- d. Running Turks Head
- e. Chain shortening
- f. Cocks combing
- g. Coach Whipping
- h. Sennits

Name	Rate	Date

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FIRST CLASS ASSESSMENT

FIRST CLASS SEAMANSHIP TASKS COMPLETED

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THIRD CLASS CHARTWORK

TASK CW 1 THE CHART

Teach and practise:

- a. The need for a Chart.
- b. Land – Shoreline - Sea.
- c. Latitude scale.
- d. Latitude scale.
- e. Distance – nautical mile / land mile.
- f. Distance scale – i.e. Latitude.

Name	Rate	Date

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TASK CW 2 COMPASSES

Teach and practise.

- a. Need for a Compass.
- b. Magnetic Compass – Magnetic North.
- c. Gyro Compass – True North.
- d. Compass card – Cardinal and Inter cardinal points.
- e. Compass Card - 360° markings.
- f. Relative Bearings to ship.
- g. Relative Degree bearings.
- h. Compass Bearings

Name	Rate	Date

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TASK CW 3 CHARTWORK

Teach and practise:

- a. Chartwork equipment
- b. Common markings (Chart 5011).
Title – Scale – Depths – Chart Datum – Rocks – Bottom – Wrecks -
Buoys
- c. Compass Rose.
- d. Plot position – latitude & longitude.
- e. Lay off a true course.
- f. Measure distance.
- g. Dead Reckoning.

Name	Rate	Date

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TASK CW 4 TIDES

Teach and practise:

- a. Causes of Tides (in outline).
- b. Flood and Ebb.
- c. Slack and Stand.
- d. Tidal Stream
- e. Estimate tidal strength & direction, use of buoys.
- f. Introduction to Tide Tables.

Name	Rate	Date

Signature	Appointment

TASK CW 5 BUOYS

Teach and practise:

- a. Lateral Marks and Top Mark.
- b. Cardinal Marks and Top Mark.
- c. Safe Water Marks and Top Mark.
- d. Isolated Marks and Top Mark.
- e. Special Marks and Top Mark.
- f. Mooring Buoys.

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TASK CW 6 SAFETY AND DISTRESS AT SEA

Teach and practise:

- a. Need for Passage Plan.
- b. Need to inform persons of your intention.
- c. Beaufort Wind Scale.
- d. Distress Signals.

THIRD CLASS ASSESSMENT

THIRD CLASS CHARTWORK TASKS COMPLETED

Name	Rate	Date

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SECOND CLASS CHARTWORK

TASK CW 7 **THE CHART**

Teach and practise:

- a. Revise Task CW 1
- b. Types of Chart – Admiralty and Commercial
- c. Chart Catalogue.
- d. Chart Titles and numbers.
- e. Portfolios.

Name	Rate	Date

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TASK CW 8 **COMPASS WORK**

Teach and practise:

- a. Revise Task CW 2.
- b. Variation.
- c. Deviation.
- d. Variation and Deviation exercises.

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TASK CW 9 CHARTWORK

Teach and practise:

- a. Revise Task CW 3.
- b. Plot position – bearing and distance.
- c. Plot a Fix (3 point).
- d. Transits.

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TASK CW 10 TIDES

Teach and practise:

- a. Revise Task CW 4.
- b. The Tidal Wave around Britain.
- c. Spring and Neap Tides.
- d. Standard ports – tidal calculations.
- e. Calculating tide rules of 1.12th and Percentage Rules.

Name	Rate	Date

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TASK CW 11 BUOYS

Teach and practise:

- a. Revise Task CW 5
- b. Light on Buoys

Name	Rate	Date

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TASK CW 12 SAFETY & DISTRESS AT SEA

Teach and practise:

- a. Revise Task CW 6.
- b. VHF Channel 16 'MAYDAY'

Name	Rate	Date

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TASK CW 13 LIGHTS AND DAYMARKS ON VESSELS

Teach and practise:

- a. Definitions.
- b. Power Driven Vessels.
- c. Sailing Vessels.
- d. Motor Sailing.
- e. Anchor.
- f. Diving.

Name	Rate	Date

Signature	Appointment

TASK CW 14 SOUND SIGNALS

Teach and practise:

- a. Definitions.
- b. Manoeuvring Sound Signals.

Name	Rate	Date

Signature	Appointment

SECOND CLASS CHARTWORK ASSESSMENT

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FIRST CLASS CHARTWORK

TASK CW 15 THE CHART

Teach and practice:

- a. Revise Tasks CW 1 and CW 7
- b. Chart Projections.
- c. Nautical Almanacs and Pilot Books.
- d. Chart Corrections.

Name	Rate	Date

Signature	Appointment

TASK CW 16 COMPASSES

Teach and practise:

- a. Revise Tasks CW 2 and CW 8
- b. Boats' Magnetic Compass.
- c. Hand held compass.
- d. Compass Card (16 points).

Name	Rate	Date

Signature	Appointment

TASK CW 17 CHARTWORK

Teach and practise:

- a. Revise Tasks CW 3 and CW 9

- b. Light characteristics.
- c. Lighthouse characteristics.
- d. Admiralty List of Lights.
- e. Estimated positions.
- f. Running Fix.

Name	Rate	Date

Signature	Appointment

TASK CW 18 TIDES

Teach and practise:

- a. Revise Tasks CW 4 and CW 10
- b. Calculating Tidal Streams.
- c. Calculating tides of secondary ports.

Name	Rate	Date

Signature	Appointment

TASK CW 19 BUOYS

Teach and practise:

- a. Revise Tasks CW 5 and CW 11
- b. Piloting from buoy to buoy – bearings and distance.

Name	Rate	Date

Signature	Appointment

TASK CW 20 **SAFETY AND DISTRESS AT SEA**

Teach and practise:

- a. Revise Tasks CW 6 and CW 12
- b. VHF Channel 16 'PAN PAN'
- c. GMDSS in outline.

Name	Rate	Date

Signature	Appointment

TASK CW 21 **LIGHTS AND DAYMARKS**

Teach and practise:

- a. Revise Task CW 7

Describe:

- b. Fishing Vessels.
- c. Trawling.
- d. Towing.
- e. Constrained by her draft.
- f. Restricted in ability to manoeuvre.

Name	Rate	Date

Signature	Appointment

TASK CW 22 SOUND SIGNALS

Teach and practise:

- a. Revise Task CW 14
- b. Sound Signals in Restricted Visibility.

Name	Rate	Date

Signature	Appointment

TASK CW 23 RULE OF THE ROAD

Teach in Outline:

- a. IRCPS (Basic Rule of the Road).
- b. General rules and definitions
- c. Lookout.
- d. Safe speed.

Name	Rate	Date

Signature	Appointment

TASK CW 24 STEERING RULES

Teach and practise:

- a. Sailing Rules.
- b. Overtaking Rules.
- c. Head On / Crossing.
- d. Action by Give Way Vessel / Stand On Vessel

Name	Rate	Date

Signature	Appointment

TASK CW 25 **GPS AND ELECTRONIC CHARTS**

Teach in Outline:

- a. Introduction to GPS
- b. Introduction to Electronic Charts.
- c. Introduction to Radar Navigation.

Name	Rate	Date

Signature	Appointment

TASK CW 26 **PASSAGE PLANNING**

Teach and practise:

- a. A Course to Steer.
- b. Plan and execute a simple passage plan on the chart.

Name	Rate	Date

Signature	Appointment

FIRST CLASS CHARTWORK ASSESSMENT

Name	Rate	Date

Signature	Appointment

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