

MARINERS SKILLS STUDENTS MANUAL 1995

Suitable for syllabus in

Marine Studies and Marine Education (Queensland)
Marine Studies (New South Wales)
Maritime Studies (South Australia)
Senior Science Marine Studies and Nautical Studies (Western Australia)

and
companion to the textbook

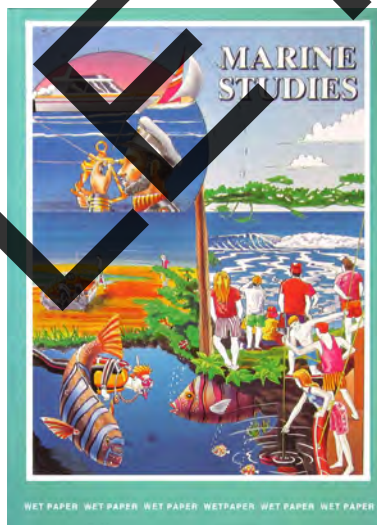
MARINE STUDIES

A course for senior students

by

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Wet Paper

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In time, workbooks will be written to indicate the time each activity takes, its sequence and core questions relevant to national syllabus.

As many exercises could take more than two hours, some selection of questions may be necessary before setting students homework.

What's new in this book is the use of photographs for questions and cut and paste exercises; class discussions on safety issues; tables that can be photocopied and used in conjunction with handed in written work; speech bubbles in the radio section and safety information boxes. We welcome feedback on how effective these are in the classroom.

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SECTION 1

BOATING

EXERCISE 1

BOAT PARTS

For some of you, using a small boat will involve learning a new vocabulary. This exercise introduces you to some new words and terms.

QUESTIONS

Use your textbook index to find the word *port*. Now turn to the page which discusses it in your textbook and answer the following questions.

1. Use your textbook to identify the following terms and mark their location on the drawings in Figure 1.1.a and Figure 1.1.b.

- Stern
- Bow
- Transom
- Keel
- Ribs
- Gunwale
- Seat (Thwart)
- Keelson
- Grip
- Shaft
- Oar stop
- Rowlock (crutch)
- Rowlock block
- Blade

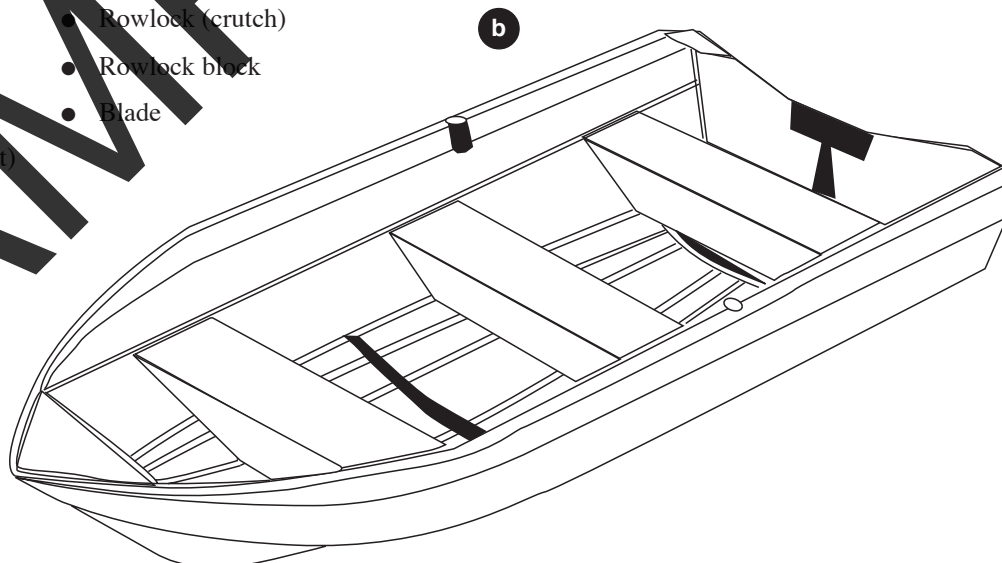
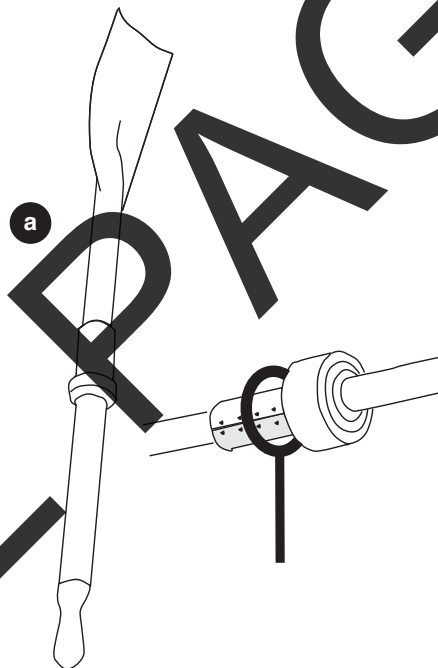


Figure 1.1 Students may make one copy of this page so that they can attach their answers before handing in for marking.

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2. Redraw the boat outlines in Figure 1.2 and use the list below to mark in the following places.
- Ahead
 - Astern
 - Port bow
 - Starboard bow
 - Forward
 - Aft
 - Beam
 - Port quarter
 - Starboard quarter
 - Deck area
 - On the port bow
 - On the starboard bow
 - Athwartships
3. Read the information box in Figure 1.3 and complete definitions for the words listed in Figure 1.4

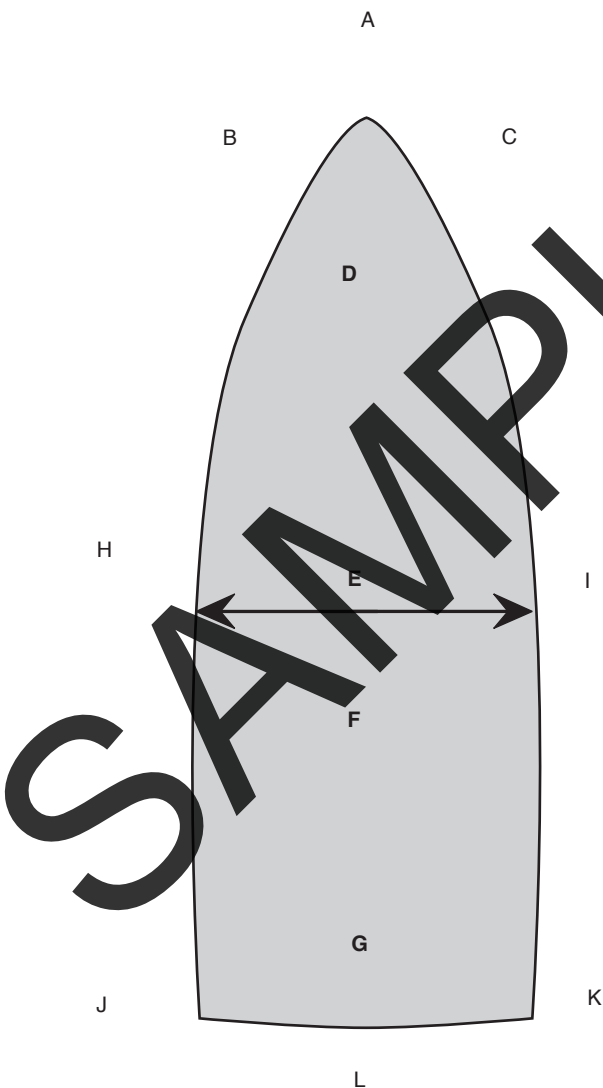


Figure 1.2 Places on a boat/ship/dinghy
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Writing definitions

In writing definitions, the following format could be used.

Item ... class ... distinguishing feature ... example.

Example

1. The definition of the word, 'Runabout', could be written as follows:

A runabout is an open vessel which has been fitted with either an outboard or inboard engine.

Item ... A runabout

Class ... is an open vessel

Distinguishing feature ... which has been fitted with either an outboard or inboard engine

2. Note that not all definitions require an example.

Task

Identify the parts of the following definition.

Motor cruisers are open vessels, ranging from 7 m to 18 m or more in length, and are designed for cruising, living and sleeping on board in comfort.

Item:

Class:

Distinguishing feature:

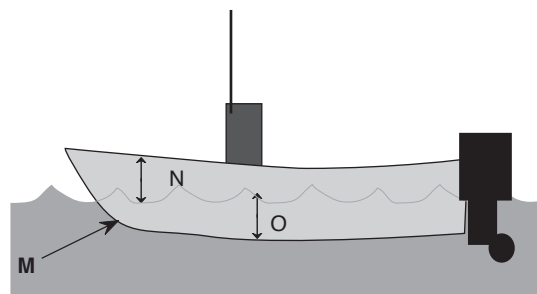


Figure 1.3 How to write definitions (based on an original activity by Gwen Connolly, St, Augustines College, Cairns).

Term	Definition
e.g. deck	The deck is the part on a boat which occupies the entire floor space such as the area inside a dinghy under the seats. <small>Item Class Distinguishing feature Example</small>
Stem	
Stern	
Bow	
Transom	
Keel	
Ribs	
Gunwale	
Oarlock socket	
Seats	
Keelson	
Rowlock	
Shaft	
Oar stop	
Grip	
Blade	
Ahead	
Astern	
Port bow	
Starboard bow	
Forward	
Aft	
Beam	
Port quarter	
Starboard quarter	
Deck area	
On the port bow	
On the starboard bow	
Athwartships	



Figure 1.4 Students may make one copy of this page so that they can attach their answers before handing in for marking.

EXERCISE 2

SAILING TERMS

QUESTIONS

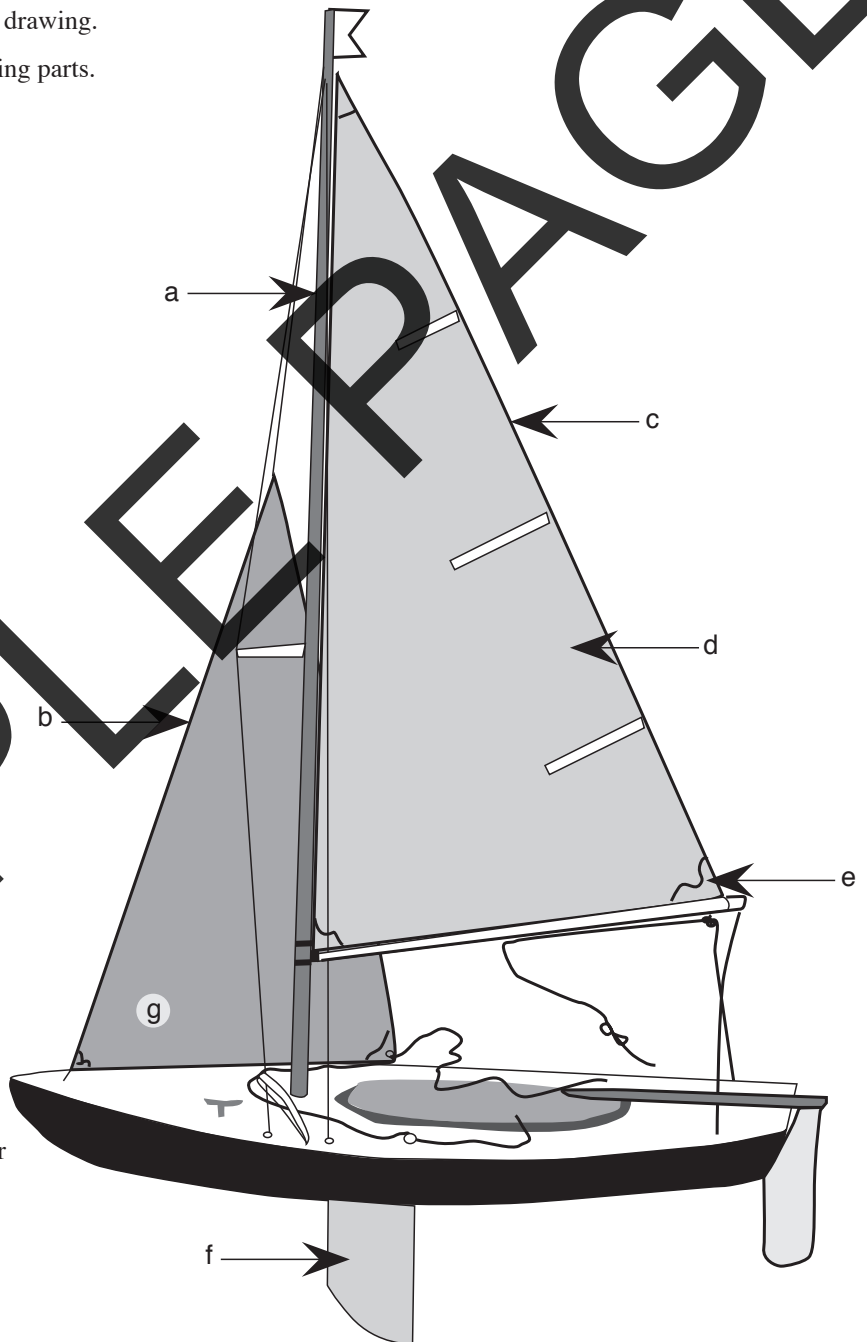
1. Select a new page in your notebook and redraw the illustration on this page.

Draw in pencil first and then ink in the drawing.

2. Use the textbook to mark in the following parts.

- Weather vane
- Headboard
- Mast
- Batten
- Leech
- Luff
- Shroud
- Mainsail
- Clew
- Foot
- Boom
- Block
- Mainsheet
- Jib sheet
- Figure of eight knot
- Tiller
- Rudder
- Centreboard
- Cleat
- Jib
- Gooseneck
- Stays

3. Complete Figure 2.1 with the aid of your textbook.



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