



## Day Skipper Shorebased Syllabus

### **1. Nautical terms:**

- 1) Parts of a boat and hull
- 2) General nautical terminology
- 3) Manners and customs

### **2. Rope work:**

- 1) Knowledge of the properties of synthetic ropes in common use
- 2) Ability to make, and knowledge of the use of: figure of eight, bowline, clove hitch, reef knot, single and double sheet bend, rolling hitch, round turn and two half hitches
- 3) Securing to cleats, use of winches and general rope handling

### **3. Anchor work and Mooring:**

- 1) Characteristics of different types of anchor
- 2) Considerations to be taken into account when anchoring and mooring

### **4. Safety:**

- 1) Knowledge of the safety equipment to be carried, its stowage and use
- 2) Fire precautions and fire fighting, galley safety
- 3) Use of personal safety equipment, harnesses and lifejackets
- 4) Distress signals and ability to send them including VHF radiotelephone

5) Basic knowledge of rescue procedures including helicopter rescue

**5. Rules of the road (IRPCS):**

- 1) Steering and sailing rules (5,7,8,9,10 and 12-19)
- 2) General rules (all other rules)

**6. Definition of position, course and speed:**

- 1) Latitude and longitude
- 2) Knowledge of standard navigational terms
- 3) True bearings and courses
- 4) The knot

**7. Navigational charts and publication:**

- 1) Information shown on charts, chart symbols and representation of direction and distance
- 2) Navigational publications in common use
- 3) Chart correction

**8. Navigational drawing instruments:**

- 1) Use of parallel rulers, dividers and proprietary plotting instruments

**9. Compasses:**

- 1) Application of variation and deviation Use of transits and comparison to check deviation
- 2) Importance of swinging compass
- 3) Use of hand bearing compass
- 4) Setting of steering compass

**10. Chartwork:**

- 1) Working up position from course steered, distance run and estimates of leeway and set
- 2) Plotting fixes
- 3) Working out course to steer to allow for leeway and set

**11. Position fixing:**

- 1) Sources of position lines
- 2) Potential accuracy of fixing methods

## **12. Tides and tidal streams:**

- 1) Tidal definitions, levels and data
- 2) Tide tables, standard and secondary ports
- 3) Use of Admiralty method of determining tidal height from standard port
- 4) Use of tidal diamonds and tidal stream atlases for chartwork

## **13. Visual aids to navigation:**

- 1) Lighthouses and beacons, daymarks, transits, light characteristics

## **14. Passage planning:**

- 1) Preparation of navigational plan for short coastal passages

## **15. Navigation in restricted visibility:**

- 1) Precautions to be taken and limitations imposed by fog

## **16. Meteorology:**

- 1) Sources of broadcast meteorological information
- 2) Knowledge of terms used in shipping forecasts, including the Beaufort scale, and their significance to small craft

## **17. Pilotage:**

- 1) Use of transits, leading lines and clearing lines
- 2) IALA system of buoyage for Region A
- 3) Use of sailing directions

## **18. Electronic Aids to Navigation:**

- 1) Introduction to Decca, GPS, Radar