

# Dayskipper practical Course

Content : Pilotage, navigation, seamanship and boat handling.

Duration : 4 days

## 1. Preparation for Sea .

- Basic stability and buoyancy for small vessels.

### **CAN :**

- Preparation for Sea : prepare a cruising vessel for sea, including engine checks , securing and stowage of all gear on deck and below.

## 2. Deck Work .

### **CAN:**

- Prepare an anchor , mooring warps and take charge on deck when mooring alongside, coming to a buoy , anchoring , weighing anchor and slipping from a buoy or an alongside berth.

## 3. Navigation

- Is proficient in chartwork and routine navigational duties on passage including :

### **KNOWLEDGE OF :**

- The uses and limitations of AIS .

### **UNDERSTANDS :**

- Working up Dead Reckoning (DR) and Estimated Position (EP)
- Use of a lead line , or similar

### **CAN :**

- Take and plot visual fixes
- Use electronic navigation equipment for position fixing
- Use waypoints and routes
- Use knowledge of IALA buoyage
- Maintain navigational records

## 4. Pilotage

### **CAN :**

- Prepare and execute a pilotage plan for entry and departure harbour
- Use heading and clearing lines
- Use transits and soundings as aids to pilotage

## 5. Meteorology

### **UNDERSTANDS**

- How to interpret shipping forecast and use a barometer as a forecasting aid

### **CAN :**

- Source forecast information

## 6. Rules of the Road

### **CAN :**

- Demonstrate a practical understanding of the International Regulations for Preventing Collisions at Sea .

## 7. Maintenance and Repair Work

### **KNOWLEDGE OF :**

- The properties and uses of common synthetic –fibre ropes.

### **UNDERSTANDS:**

- Maintenance tasks and is able to carry them out .

## 8. Engines :

- Has a working knowledge of the prevention of common engine faults and is competent in the following areas :

### **UNDERSTANDS :**

- The need for periodic maintenance checks on engines and electrical installations
- Requirements for tool kits , spares and lubricants
- The location of filters and bleed points for fuel
- The tension of drive belts and how to adjust and replace them

### **CAN :**

- Carry out checks before starting , while running and after stopping
- Clean water filters and knows the location of the impellers
- Estimate fuel consumption at various speeds and knows the effects of fouling
- Basic troubleshooting

## 9. Victualling (food)

### **UNDERSTANDS :**

- How to victual a cruising vessel appropriately for the planned passage

## 10. Emergency Situations

### **UNDERSTANDS :**

- How to issue distress signals by all available means ,including distress flares and a VHF radio , in an emergency
- How to use a life raft
- How to secure a tow
- Rescue procedures including helicopter rescue
- The effects of cold-water shock on a casualty in the water
- The aftercare requirements of a casualty who has been in the water

### **CAN :**

- Carry out the correct action as skipper for the recovery of a man over board

## 11. Handling under Power

### **KNOWLEDGE OF :**

- Effects of waves on boat handling and crew comfort

### **UNDERSTANDS :**

- Differing styles of hull land and propulsion systems
- How to moor and leave a bow/stern-to mooring

### **CAN :**

- Carry out the following manoeuvres under power in various wind and tide conditions :
  - Steer a straight course
  - Turn in confined space
  - Anchor at a pre-determined position
  - Berth alongside
  - Leave an alongside berth
  - Pick up a mooring buoy
  - Be aware of other water users
  - Use power and trim tabs correctly

## 12. Passage –making

### **KNOWLEDGE OF :**

- Marine locks

### **UNDERSTANDS :**

- The practical benefits and limitations of a chart plotter or GNSS

### **CAN :**

- Plan and make a coastal passage ,taking into account relevant navigational hazards and limitations imposed by the type of boat and the strength of the crew .

## 13. Night Cruising

### **KNOWLEDGE OF :**

- Has experienced cruising at night , including leaving and entering harbour

### **UNDERSTANDS :**

- Special conditions for pilotage plans ,keeping lookout and identifying marks by night

## DAY SKIPPER TIDAL ADDITIONS

->Navigation

### **UNDERSTANDS:**

- How to work out a course to steer to allow for tidal stream , leeway and drift

**CAN:** Estimate tidal heights and tidal streams

->Handling under power

### **CAN :**

- Bring a boat safely to and from an alongside berth , mooring buoy , anchor , and bow or stern mooring under various conditions of wind and tide