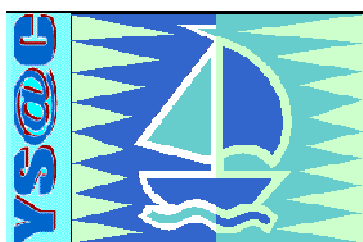


# **New Parents: Why not train to become a POWER BOAT DRIVER?**

**Free training** available – ask Rob Slack or any Committee Member.

*Get involved with YS@C and have some fun !!*



**Youth Sailing @ Chasewater**



Approved Training Centre

## **POWER BOAT TRAINING SYLABUS**

### Level 1

**Aim:** to provide a practical introduction to boat handling and safety in powerboats.

The course may be conducted in a variety of boat types, both planing and displacement and the certificate issued will be endorsed to show the type(s) of boat in which the training took place. The ratio of students to instructors should not exceed 3:1.

**Duration:** 1 day

### PRACTICAL BOAT HANDLING

#### 1. Launch and recovery (optional for displacement craft)

Use of trailer or launching trolley

Consideration of launching and sea conditions, including hazards Construction, width and condition of ramp/slipway.

#### 2. Preparation of boat

Fitting and removing outboard engine (planing craft only) Fuel: tanks and lines, type, re-fuelling procedures

Equipment:

Lines, Fenders, anchor and warp, bailer, fire extinguisher, engine spares and tools, pump, paddles or oars, compass, flares, torch, whistle, charts, first aid kit

### 3. Boat Handling

Pre start checks

Starting and stopping, including use of kill cord on outboard engines Steering, controls, windage

Planing boats: propeller angle and immersion, use of shallow drive lever, low speed handling ahead and astern

Displacement boats: handling ahead and astern, carrying way in neutral

### 4. Picking up and securing to a mooring buoy

Preparation of mooring warp

Use of boat hook

Method of approach

Crew communication

Making fast

### 5. Leaving and coming alongside

Preparation and use of painter, lines and fenders, attachment to boat, stowage underway

Speed and angle of approach Wind effect

Method of approach in tidal stream or current Making fast alongside Use of springs

Leaving -ahead or astern

### 6. Being towed

Preparing own lines for towing

Securing tow lines

Trim and balance under tow

## SHOREBASED TEACHING

Personal buoyancy

Insurance

Loading: effect on handling and performance, effect on balance and trim, manufacturer's recommendation

Crew members: minimum number in high-speed craft, keeping a look-out

Awareness of other water users, including effect of wash

Application of IRPCS

Local Bylaws

Accepting a tow

Rope work: fastening to a cleat, anchor coiling and stowing

## Level 2

**Aim:** to teach boat handling and seamanship in powerboats.

The course may be conducted in a variety of boat types, both planing and displacement and the certificate issued will be endorsed to show the type(s) of boat in which the training took place. The ratio of students to instructors should not exceed 3:1.

**Duration:** 2 days

## PRACTICAL

### 1. Launching and recovery

Use of trailer or launching trolley

Consideration of launching and sea conditions, including hazards and obstructions

Number of persons required to launch/recover

- Construction, width and condition of slipway
- Steep/slippery slipways, beach launching, lee shores
- Care of trailer bearings, hitch, lashings, ties, lights, winch
- Trailer parking
- Preparation of boat, lines, fenders, safety equipment, fuel tanks and lines
- Stowing and securing gear on board

## 2. Boat handling

- Pre-start checks
- Starting and stopping
- Use of kill cords
- Loading: effect on handling and performance, effect on balance and trim, manufacturer's recommendation
- Crew members: minimum number in high speed craft, keeping a look-out
- Awareness of other water users, including effect of wash
- Steering, controls, effect of current or tidal stream
- Low speed manoeuvring: turning in a confined area, effect of wind on bow, holding off, danger of flooding when going astern
- High speed manoeuvring: planing, trim tabs and power trim
- S-turns and U-turns
- Planing boats: propeller angle and immersion, shallow drive, high/low speed handling, tiller/console steering
- Displacement boats: handling ahead and astern, carrying way

## 3. Securing to a buoy

- Preparation of mooring warp
- Use of boat hook
- Method of approach
- Crew communication
- Making fast
- Procedure when overshooting

## 4. Anchoring

- Types of anchor
- Stowage and attachment to boat
- Depth of water, holding ground, scope required
- Preparation of anchor, chain and warp
- Method of approach in various conditions
- Taking off way
- Crew communication
- Checking holding
- Weighing anchor

## 5. Leaving and coming alongside

- Preparation and use of painter, lines and fenders, attachment to boat, stowage under way
- Speed and angle of approach
- Wind effect
- Method of approach in tidal stream or current
- Making fast alongside
- Use of springs
- Leaving -ahead or astern

## 6. Man overboard

- Immediate action
- Observation of man overboard
- Correct return, awareness of propeller
- Approach to man in water
- Recovery of man overboard

## **SHOREBASED TEACHING**

Types of craft: advantages and disadvantages of different hull forms with respect to sea keeping ability  
Engines and drives: advantages and disadvantages of outboard, inboard and outdrive units, power tilt and trim tabs, single and twin screws, choice and use of fuels  
Siting of fuel tanks, fuel lines, batteries, wiring, fire extinguishers  
Routine engine maintenance checks, basic fault diagnosis Safety equipment  
Personal buoyancy  
Awareness of other water users  
Application of IRPCS, Rules of the Road  
Knowledge and application of local bylaws Weather forecasts  
Communication with other craft -hand and sound signals  
Advice to inland drivers about coastal waters  
Disabled craft  
Emergency action, preventing sinking  
Adrift .alternative means of propulsion  
Towing and being towed  
Fire precautions and fire fighting  
Distress signals  
Ropework

## **COASTAL**

Practical application of Section A on coastal waters  
Practical use of charts, understanding of chart symbols and buoyage systems  
Practical understanding of tides and tidal streams, use of steering and handbearing compass  
Pilotage and passage planning  
CG66 Small Craft Safety Scheme

# NATIONAL POWERBOAT CERTIFICATE – LEVEL 2 TEST

