

# RYA TRAINING: Power boating courses



## LEVEL 2 COURSE SYLLABUS

### Our aim is to teach boat handling and seamanship in powerboats

The course may be conducted in a variety of boat types, both planning 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

### SECTION A: PRACTICAL

#### 1. Launching & recovery

Use of trailer or launching trolley

Consideration of launching & sea conditions, including hazards & obstructions

Number of persons required to launch/recover

Construction, width and condition of slipway

Steep/slippery slipways, beaching launching, lee shores

Care of trailer bearings, hitch, lashings, ties, lights, winch

Trailer parking

Preparation of boat, lines, fenders, safety equipment, fuel tanks & lines

Stowing & 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, manufacture's recommendations

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: planning, trim tabs & power trim

S-turns & U-turns

Planning boats: propeller angle and immersion, shallow drive, high/low speed handling, tiller/consol steering

Displacement boats: handling ahead and astern, carrying way

#### 3. Securing to a buoy

Preparation of mooring warp Crew communication

Use of boat hook Making fast

Method of approach 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 way off

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

Leaving – ahead or astern

Use of springs

#### 6. Man overboard

Immediate action

Observation of man overboard

Correct return, awareness of propeller

Recovery of man overboard

Approach to man in water

## LEVEL 2 COURSE SYLLABUS

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### SECTION B: 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 fuel

Sitting 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

Applications 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

Disable craft

Emergency action, preventing sinking

Adrift – alternative means of propulsion

Towing and being towed

Fire precautions and fire fighting

Distress signals

Rope work

### SECTION C: COASTAL

Practical application of Section A in coastal waters

Practical use of charts, understanding of chart symbols and buoyage systems

Practical understanding of tides and tidal streams, use of steering and hand bearing compass

Pilotage and passage planning

CG66 Small Craft Safety Scheme

### SECTION D: DIRECT ASSESSMENT FOR EXPERIENCED POWERBOAT DRIVERS

The candidate should have the equivalent of at least one full season's powerboat handling experience.

The candidate must complete the practical exercise and satisfactorily answer questions on Section B

Candidates seeking assessment on coastal water will demonstrate knowledge and practical application of Section C

### PRACTICAL ASSESSMENT OF ALL CANDIDATES FOR LEVEL 2

The practical exercise detailed in the diagram shows the manoeuvres required to be demonstrated during the practical test. Candidates are expected to show that they understand the principles of each manoeuvre. Failure to successfully complete a manoeuvre at the first attempt will not necessarily result in overall failure, but a timely awareness of the need to abort an exercise and try again is important.

\* THIS COURSE CAN BE COMMERCIALY ENDORSED WITH THE ADDITION OF A BASIC SEA SURVIVAL COURSE, FIRST AID AND A PERSONAL MEDICAL

Course last for 2 days during which student will learn launching, mooring, anchoring and recovery plus boat driving skills required for basic competence in a powerboat. Candidates require no previous experience. (min age 12)