



## **RYA Intermediate Powerboat course Syllabus**

**Subjects covered in this course will include:**

### **Practical**

#### **Boat preparation**

- Understands of:
- Protective clothing and safety equipment
- Minimum level of equipment for a boat
- Considerations of equipment required for longer passages
- Stowage of equipment
- Boat Handling

#### **Knowledge of:**

- Effects of waves
- Rougher conditions
- Awareness of other water users
- Mooring stern to between posts - med style mooring

#### **Can:**

- Demonstrate awareness of wind and tide
- Moore alongside in a marina - where applicable
- Demonstrate the use of an appropriate length kill cord at all times



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### **Pilotage:**

- Demonstrate a practical application of technique for pilotage in local waters

### **Passage making**

#### **Understands:**

- The need for pre-planning to include advice for returning at night

#### **Can:**

- Apply the lessons learnt in the theory sessions and successfully complete a practical passage
- Fix positions by traditional methods and electronic methods

### **Man over board:**

#### **Understands:**

- Techniques for picking a man over board in different conditions

#### **Can:**

- Pick a man over board up

### **Theory session**

#### **Planning a day cruise**

#### **Knowledge of:**

- Navigation
- True and magnetic bearings
- Chart symbols
- bearing and distance
- Use of pilot books



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- Tidal diamonds and tidal atlas
- Position lines
- Use of marina locks - this can be covered practically *Ocean Sports Tuition will do this as we refuel in Hythe marina which has a lock*

### **Understands:**

- Longitude and latitude
- Principles of GPS
- Sources of weather forecasts and interruption of forecasts
- Tidal heights and secondary ports

### **Can:**

- Using a plotter and plot a course to steer - CTS
- Work out a tidal heights for standard ports using a tidal curve
- Interpret lateral and cardinal buoyage
- Implement IRPCS. Implement rule 5,7,8,9 12-19, 23
- Use a GPS waypoint navigation and determine XTE, SOG, COG, BTW & DTW
- Use a laminated chart afloat
- Use a pilotage to enter an unfamiliar port by day
- Explain how to make a emergency VHF call

*This information was taken from the RYA powerboat log book.*