

## 29<sup>th</sup> Glasgow Scout Group



<b>Course Title</b>	<b>RYA Day Skipper Theory Course</b>
<b>Duration</b>	Minimum of 5 Days [or 3 weekends], (Normally 0900 to 1700)
<b>Contents</b>	All you need to know for safe navigation in coastal waters close to land. The course is suitable for both sail and power; indeed both activities are covered. The course syllabus is overleaf.
<b>Pre Requisites</b>	None, although a knowledge of basic boating or sailing will be useful.
<b>Cost</b>	£195.00 (discounts apply for members of the Scout Association).
<b>Qualification</b>	On successful completion you will be awarded a RYA Day Skipper Shore based Certificate.
<b>Clothing required</b>	The course is all indoors so comfortable casual clothing is required. We may venture outside to acquire satellites for the brief introduction to GPS systems, fire-fighting and flare demonstration.
<b>Accommodation</b>	The course is held in our Headquarters, the Cameron Halls, 147 Mossgiel Road, Newlands, Glasgow, G43 2BY. Refreshments are provided including lunch and mid-session tea/ coffee.
<b>Requirements</b>	<p>You will require some basic navigation instruments and drawing material. It is recommended you have the following:</p> <ul style="list-style-type: none"><li>• Notebook</li><li>• 2 x B3 Pencils and pencil sharpener</li><li>• Rubber</li><li>• Dividers – nautical type</li><li>• Plotter &amp; Ruler</li><li>• Calculator</li><li>• Useful but not essential - Parallel Rule</li><li>- Laptop</li></ul>
<b>Recommended reading</b>	For this course just come along and we will start from there.
<b>Notes</b>	<p>You will be provided with the RYA Day Skipper Pack which includes:</p> <ul style="list-style-type: none"><li>• 2 x practice navigation Charts</li><li>• Plotting software – accessed through the Internet</li><li>• Day Skipper Notes</li><li>• Set of background notes and exercises (some for attempting at home)</li></ul> <p>In addition, we will provide loan of a copy of the RYA Training Almanac, North. The practice charts and Almanac are based on real charts however they are a fictional representation and should not be used for any navigation. Most of the coastline is from the southern hemisphere with occasional UK locations pasted in.</p> <p>If you require any further information on the course or wish to book a place you can contact Sandy Walls on 0141 637 5900 or <a href="mailto:sandy.walls29@gmail.com">sandy.walls29@gmail.com</a></p>

# RYA Day Skipper Shorebased Course



## Nautical terms

- Parts of a boat and hull
- General nautical terminology

## Ropework

- Knowledge of the properties of synthetic ropes in common use

## Anchorwork

- Characteristics of different types of anchor
- Considerations to be taken into account when anchoring

## Safety

- Knowledge of the safety equipment to be carried, its stowage and use (see RYA Boat Safety Handbook C8)
- Fire precautions and fire fighting
- Use of personal safety equipment, harnesses and lifejackets
- Ability to send a distress signal by VHF radiotelephone
- Basic knowledge of rescue procedures including helicopter rescue

## International regulations for preventing collisions at sea

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

## Definition of position, course and speed

- Latitude and longitude
- Knowledge of standard navigational terms
- True bearings and courses
- The nautical mile

## Navigational charts and publications

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

## Navigational drawing instruments

- Use of parallel rulers, dividers and proprietary plotting instruments

## Compass

- Application of variation
- Awareness of deviation and its causes
- Use of hand-bearing compass

## Chartwork

- Dead reckoning and estimated position including an awareness of leeway
- Techniques of visual fixing
- Satellite-derived positions
- Use of waypoints to fix position
- Course to steer

## Tides and tidal streams

- Tidal definitions, levels and datum
- Tide tables
- Use of admiralty method of determining tidal height at standard port and awareness of corrections for secondary ports
- Use of tidal diamonds and tidal stream atlases for chartwork

## Visual aids to navigation

- Lighthouses and beacons, light characteristics

## Meteorology

- Sources of broadcast meteorological information
- Knowledge of terms used in shipping forecasts, including the Beaufort scale, and their significance to small craft
- Basic knowledge of highs, lows and fronts

## Passage planning

- Preparation of navigational plan for short coastal passages
- Meteorological considerations in planning short coastal passages
- Use of waypoints on passage
- Introduction to electronic Chart Plotter
- Importance of confirmation of position by an independent source
- Keeping a navigational record

## Navigation in restricted visibility

- Precautions to be taken in, and limitations imposed by, fog

## Pilotage

- Use of transits, leading lines and clearing lines p
- IALA system of buoyage for Region A
- Use of sailing directions
- Pilotage plans and harbour entry

## Marine Environment

- Responsibility for avoiding pollution and protecting the marine environment

