

Course Title	RYA Day Skipper Theory Course
Duration	Minimum of 5 Days [or 3 weekends], (Normally 0900 to 1700) (27 & 28 Oct; 3 Nov and 17 & 18 Nov 2018)
Contents	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.
Pre Requisites	None although a knowledge of basic boating or sailing will be useful.
Cost	£195.00 (discounts apply for members of the Scout Association).
Qualification	On successful completion you will be awarded a RYA Day Skipper Shore based Certificate.
Clothing required	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.
Accommodation	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.
Requirements	You will require some basic navigation instruments and drawing material. It is recommended you have the following: Notebook 2 x B3 Pencils and pencil sharpener Rubber Dividers – nautical type Plotter & Ruler Calculator Useful but not essential - Parallel Rule - Laptop
Recommended reading	For this course just come along and we will start from there.
Notes	You will be provided with the RYA Day Skipper Pack which includes: 2 x practice navigation Charts Plotting software – accessed through the Internet Day Skipper Notes Set of background notes and exercises (some for attempting at home) 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. 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 sandy.walls29@gmail.com .

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

