

Week 1



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Who's Who

- David Crees
 - davidcrees@rdsailing.org.uk
 - 07773784415



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Links



- Course Website

<https://www.rdsailing.org.uk/page3.html>



- WhatsApp Group

AYCYM24

Text David Crees to be added.



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Individual Introductions



4

GDPR



5

A quick
brainstorm!



Axe Yacht Club
RYA Yachtmaster Shorebased Course 2022

Boat – Chartered 32ft Sailing Cruiser.
Cruise speed is 6 knots under sail or power. Crew of 4.

Proposed voyage from Dartmouth to Treguier in Brittany approximately 90nm.

What knowledge and skills will you need as skipper:

Before you sail –

On passage –

On arrival off Treguier –



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Before Leaving:

- Boat capability
- Crew Capability
- Customs and Immigration procedure
- Boat documentation required
- Boat equipment required
- Passage Plan
- Pilotage Plans
- Weather Information
- Tidal Information
- Boat and Engine checks



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On Passage

- Use of charts
- Plotting Position
- Use of GNSS
- Use of log, echo sounder and radar
- Tidal Streams
- Tidal Heights
- Course to steer
- Rule of the Road
- Distress Procedures
- Watch systems
- Monitoring weather and sea state
- Keeping a deck log and plot
- Meals, drinks etc.
- Sailing the boat efficiently



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Arrival

- Confirmation of position
 - Carry out the pilotage plan
 - Buoyage
 - Transits
 - Lights
 - Finding a berth / Liaison with HM or Marina
 - Securing the boat
 - Customs etc.
- Go and have a beer!



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RYA Yachtmaster Shorebased Course

Coastal Skipper and Yachtmaster™ Offshore syllabus

The syllabus is shown below with an indication of the depth of knowledge required and the minimum time which is to be spent on each subject area. You can tick off each topic as it is completed.

	A: Full knowledge	B: Working knowledge	C: Outline knowledge
1 Position	A depth of understanding which is fundamental to safe navigation and good seamanship. The student will be able to apply the knowledge in a practical situation and also appreciate why the knowledge is so important.	Understands what knowledge to apply, when and how to apply it for a particular undertaking. Recognises what level their knowledge is at relative to a given situation. The student is aware that their knowledge is broad but not necessarily deep.	An awareness of the subject area but with only a superficial understanding of its application in practice. The student recognises that further knowledge of the topic will be required in some practical situations and knows enough to find appropriate sources of information or learning.
	<input type="checkbox"/> Dead reckoning and estimated position <input type="checkbox"/> Satellite-derived position <input type="checkbox"/> Use of waypoints to fix position <input type="checkbox"/> Radar fixes <input type="checkbox"/> Techniques of visual fixing <input type="checkbox"/> Fixes using a mixture of position lines <input type="checkbox"/> Relative accuracy of different methods of position fixing <input type="checkbox"/> Areas of uncertainty.		
2 The Magnetic Compass	<input type="checkbox"/> Allowance for variation <input type="checkbox"/> Change of variation with time and position <input type="checkbox"/> Causes of deviation <input type="checkbox"/> Compass checks for deviation, but not correction <input type="checkbox"/> Allowance for deviation <input type="checkbox"/> Different types of compass		



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3 Tides	4	
<input type="checkbox"/> Causes of tides - springs and neaps		C
<input type="checkbox"/> Tide tables - sources		C
<input type="checkbox"/> Tidal levels and datum		B
<input type="checkbox"/> Standard and secondary ports		B
<input type="checkbox"/> Tidal anomalies (Solent, etc.)		C
4 Tidal Streams	3	
<input type="checkbox"/> Sources of tidal information		B
<input type="checkbox"/> Tidal stream information in sailing directions and yachtsmen's almanacs		B
<input type="checkbox"/> Allowance for tidal streams in computing a course to steer		A
<input type="checkbox"/> Tide rips, overfalls and races		B
<input type="checkbox"/> Tidal observation buoys, beacons etc.		B
5 Buoyage	1	
<input type="checkbox"/> IALA system buoyage in Regions A and B		B
<input type="checkbox"/> Limitations of buoys as navigational aids		C
6 Lights	1	
<input type="checkbox"/> Characteristics		B
<input type="checkbox"/> Ranges - visual, luminous and nominal		C
<input type="checkbox"/> Rising and dipping distances		C
<input type="checkbox"/> Light lists		C
7 Pilotage	3	
<input type="checkbox"/> Harbour regulations and control signals		A
<input type="checkbox"/> Methods of pre-planning		B
<input type="checkbox"/> Clearing lines		A
<input type="checkbox"/> Use of soundings		B
<input type="checkbox"/> Transits and leading lines		B




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14 Safety at Sea	2	
<input type="checkbox"/> Personal safety, use of lifejackets, safety harnesses and lifelines		B
<input type="checkbox"/> Fire prevention and fire fighting		B
<input type="checkbox"/> Distress signals		B
<input type="checkbox"/> Coastguard and Boat Safety Scheme		C
<input type="checkbox"/> Preparation for heavy weather		B
<input type="checkbox"/> Liferrafts and helicopter rescue		B
<input type="checkbox"/> Understanding of capabilities of vessel and basic knowledge of stability		B
15 Navigation in Restricted Visibility	1	
<input type="checkbox"/> Precautions to be taken in fog		B
<input type="checkbox"/> Limitations to safe navigation imposed by fog		B
<input type="checkbox"/> Navigation strategy in poor visibility		B
16 Passage Planning	5	
<input type="checkbox"/> Preparation of charts and notebook for route planning and for use on passage at sea		B
<input type="checkbox"/> Customs regulations as they apply to yachts		C
<input type="checkbox"/> Routine for navigating in coastal waters		B
<input type="checkbox"/> Strategy for course laying		B
<input type="checkbox"/> Use of and visual confirmation of waypoints and routes		A
<input type="checkbox"/> Use of weather forecast information for passage planning strategy		B
<input type="checkbox"/> Sources of local and national regulations		B
17 Marine Environment	0.5	
<input type="checkbox"/> The responsibility to minimise pollution and protect the marine environment		B




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Course Programme

- Key Dates

- Saturday 27 November 0930 – 1700
- Saturday 5 February 0930 – 1700
- Saturday 19 February 0930 – 1700

All classroom sessions

- Christmas break

- Last session 14 December
- First session after 4 January

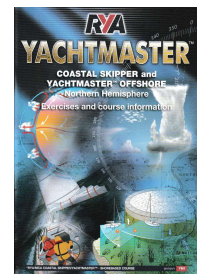
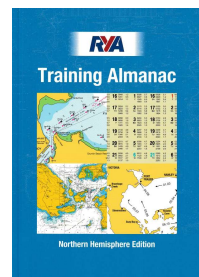
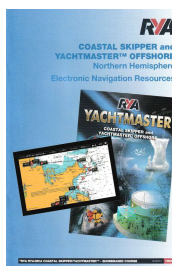
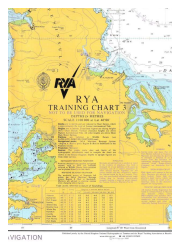
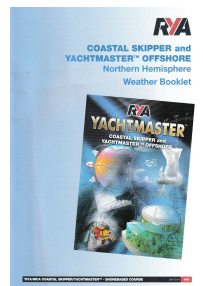
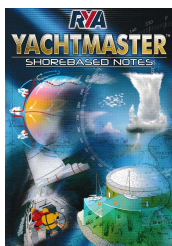
- Course Socials

- Fridays – 29 Oct, 3 Dec, 28 Jan, 25 Feb (Wash-up and certificate presentation)



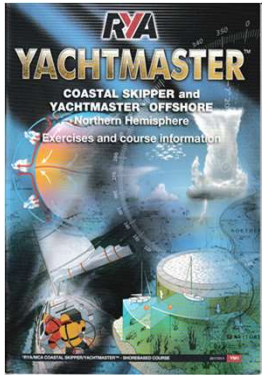
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Course Materials



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Exercises and Reading



Axe Yacht Club
RYA Yachtmaster Shore Based Course Outline



Wk	Date	Introduction	Topic 1	Topic 2	Reading	Exercise
1	12/10/22	Welcome, Introductions to personnel and course. Students aspirations	Starting point Exercise	Course administration, Aims and Objectives. Books and equipment.	CN pp 3-8	
2	19/10/22		Charts 1 – Basics, projections, RYA Charts, position referencing	Charts 2 – paper and electronic; Datums; Chart information; related publications		Exercise "Charts and Publications" for week 3.
3	26/10/22	Introduction to IRPCS	Compass 1 Variation and Deviation, Compass types and errors.	Position 1 – Visual fixing; Relative accuracy; Cross Checking; Areas of uncertainty.	IRPC Book Chapters 1 to 3. CN pp 33 – 37	Exercise "Charts and Publications" for week 3.
4	2/11/22		Compass 2 Compass Error; Swing for Deviation;	Position 2 – Fixing an Estimated Position (DS revision) with deviation	CN pp 8 to 11 (Compass) CN pp 30 - 32	Exercise "Compass" for return week 6.
5	9/11/22	Time Zones	Tides 1 Causes, Springs, Neaps; English Channel Tides; Definitions	Position 3 – Waypoints; Position Lines; Radar and Satellite derived positions.	CN pp 12 to 13 CN pp 38 - 41	Exercise "Techniques for Visual Fixing" for return week.



International Regulations for the Prevention of Collisions at Sea

(IRPCS)



IRPCS

- Our “Highway Code”
- Thorough knowledge required
- Assessment paper pass mark ~80%.
- Assessment Wednesday 8 Jan



Which skipper failed?

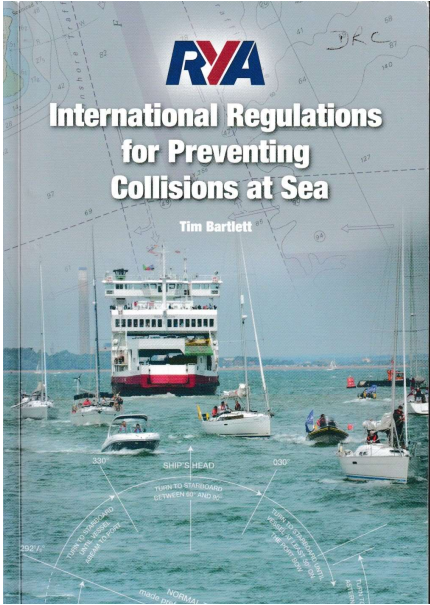


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“All I can offer is blood, sweat and tears.”





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RYA
International Regulations
for Preventing
Collisions at Sea
Tim Bartlett



RYA Order Code – G2

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IRPCS - Rules

IRPCS			RYA Book
Part A	General		Chapter 1
Part B	Steering and Sailing Rules	Section I – Any condition of Visibility	Chapters 2 & 3
		Section II – In sight of one another	Chapter 4
		Section III – In restricted visibility	Chapter 5
Part C	Lights and Shapes		Chapter 6
Part D	Sound and Light Signals		Chapter 7

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IRPCS

Session	Content
30 Oct	Parts A & B Introduction
20 Nov	Chapters 1 to 3 Exercise
04 Dec	Chapters 4 & 5 Exercise
18 Dec	Chapters 6 & 7 Exercise
01 Jan	IRPCS Exercise from Course Exercise Book
08 Jan	IRPCS Assessment Paper

