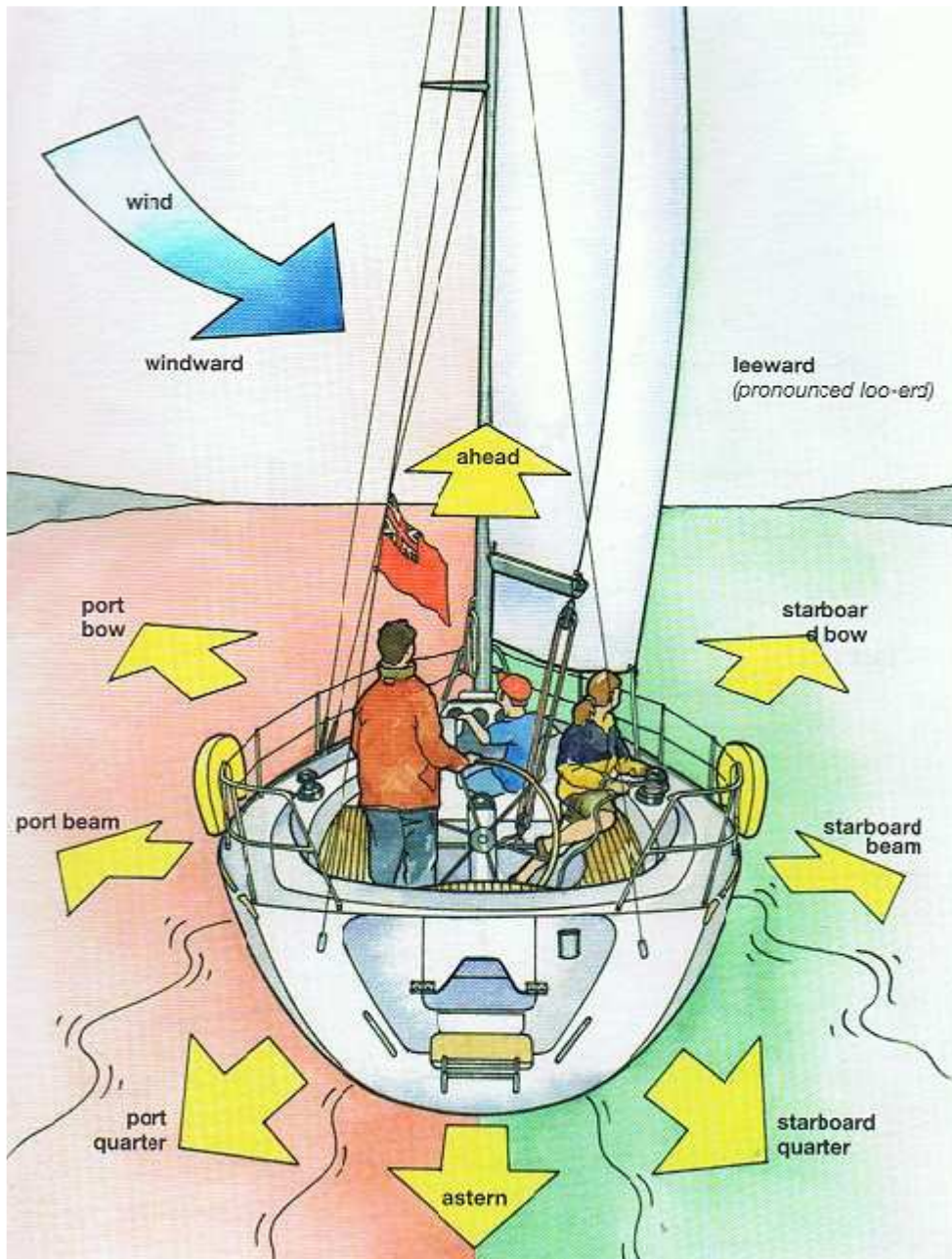
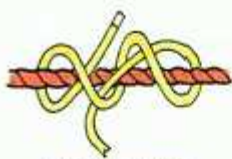




DAY SKIPPER PRECOURSE READING MATERIAL

Thank you for booking with Endeavour Sailing for your Day Skipper Course and the following literature has been designed to help you remember (they are not intended to be a comprehensive teaching tool) the key topics you will need to know to make the most of your week practical course.





Rolling hitch

Used when you need a knot that won't slip when pulled at an angle. Ideal for taking the strain off another rope.



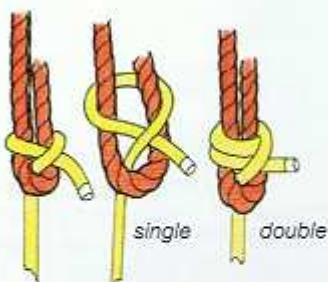
Round turn and two half hitches

Multipurpose knot. Can be untied under tension.



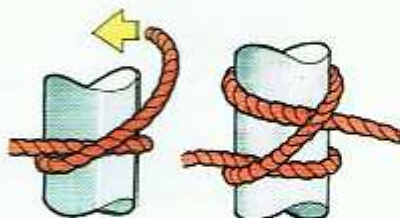
Reef knot

Mainly used for tying in reef points. Not very secure.



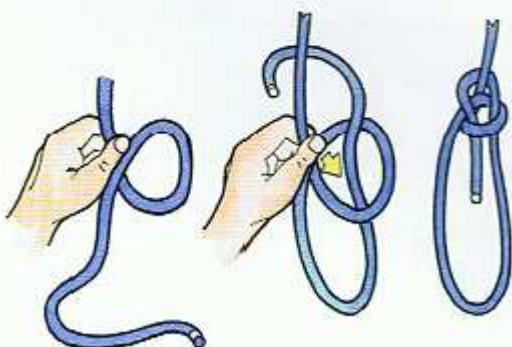
Sheet bend

Used for joining two ropes.



Clove hitch

Quick to tie and easy to adjust. Ideal for securing fenders.



Bowline

Makes a fixed eye in a rope which is very secure but can't be untied under tension. Many uses such as attaching jibsheets to sails and for loops in mooring lines.

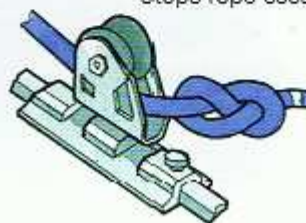


Figure of eight

Easy to tie stopper knot - stops rope escaping.

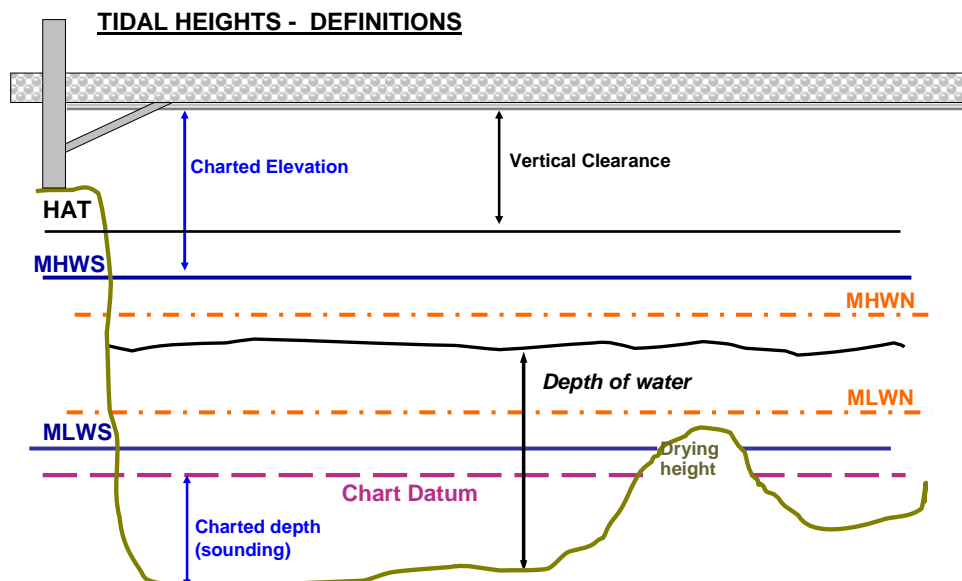
NAVIGATION

TIDES

TIDE TABLE

GMT		ENGLAND – DOVER															
TIME ZONE UT(GMT)		LAT 51°07'N LONG 1°19'E															
TIMES AND HEIGHTS OF HIGH AND LOW WATERS																	
JUNE				JULY				AUGUST									
Time	m	Time	m	Time	m	Time	m	Time	m	Time	m						
1	0330	5.8	16	0241	6.1	1	0349	5.7	16	0323	6.2	1	0442	5.3	16	0514	5.7
M	1554	5.9	TU	1513	6.2	W	1609	5.8	TH	1553	6.3	SA	1703	5.4	SU	1745	5.8
	2314	1.7		2235	1.4		2316	1.8		2316	1.3						
2	0426	5.5	17	0342	5.9	2	0442	5.4	17	0426	5.9	2	0504	2.1	17	0100	1.8
	1139	2.0		1058	1.6		1131			1131							
TU	1650	5.6	W	1616	6.0	TH	1703			1703							
				2336	1.5												
3	0011	1.9	18	0456	5.8	3	0009		18	0456	5.8 m HW	} Range 4.1 metres					
	0528	5.3		1205	1.7		0543			1205	1.7 m LW						
W	1241	2.1	TH	1727	5.9	F	1234		TH	1727	5.9 m						
	1754	5.5					1804										
4	0113	2.0	19	0046	1.5	4	0113		19	0046	1.5						
	0639	5.3		0617	5.7		0648			0617	5.7						
TH	1344	2.1	F	1318	1.7	SA	1344		TH	1344	1.7						
	1904	5.5		1842	5.9		1909			1842	5.9						
5	0213	1.9	20	0155	1.4	5	0216	1.9	20	0237	1.5	5	0336	1.7	20	0459	1.4
	0746	5.4		0730	5.9		0747	5.4		0814	5.8		0853	5.8		1000	6.2
F	1444	2.0	SA	1426	1.5	SU	1448	2.0	M	1510	1.6	W	1606	1.6	TH	1721	1.2
	2007	5.7		1952	6.1		2006	5.6		2040	6.0		2111	6.0		2229	6.3

Tidal Heights (local standard ports or secondary ports)



Tidal Streams (calculated from the reference port)

TIDAL DIAMONDS & DATUMS

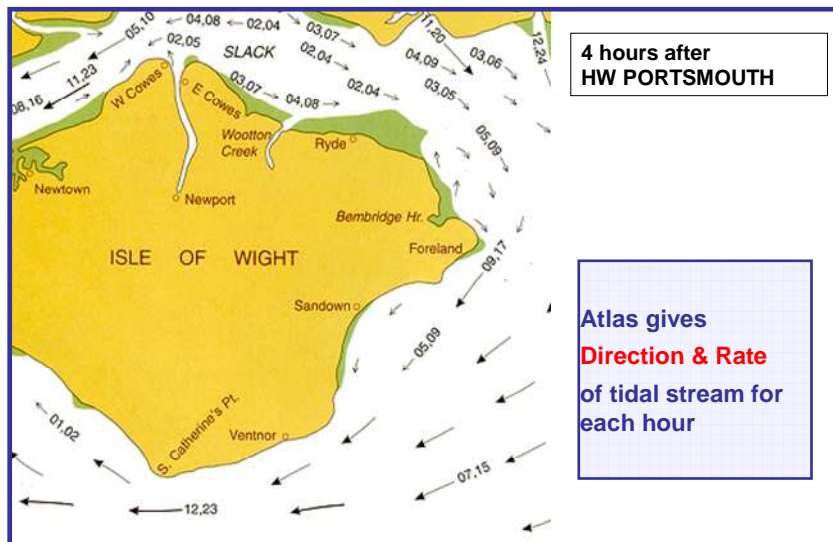
Hours	A 50°09'05 N 4 44.95W		
Before High Water	6	286	1.6 0.8
	5	290	2.8 1.4
	4	302	3.2 1.6
High Water	3	318	2.9 1.5
	2	323	1.7 0.9
High Water	1	000	1.0 0.5
		080	1.3 0.6
After High Water	1	100	2.4 1.2
	2	111	2.5 1.3
	3	124	2.6 1.3
High Water	4	126	1.9 1.0
	5	148	0.5 0.2
	6	283	1.1 0.5

3 hours before HW

Stream setting towards 318(T)

Springs
2.9 kn
Neaps
1.5 kn

TIDAL STREAM ATLAS



4 hours after HW PORTSMOUTH

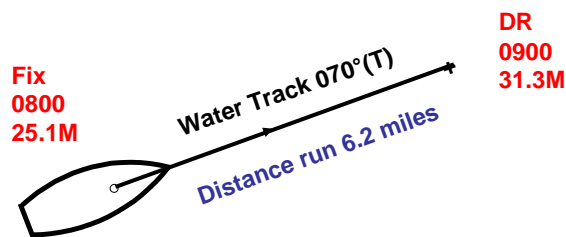
Atlas gives Direction & Rate of tidal stream for each hour

Dead reckoning, Estimated Position and Course To Steer

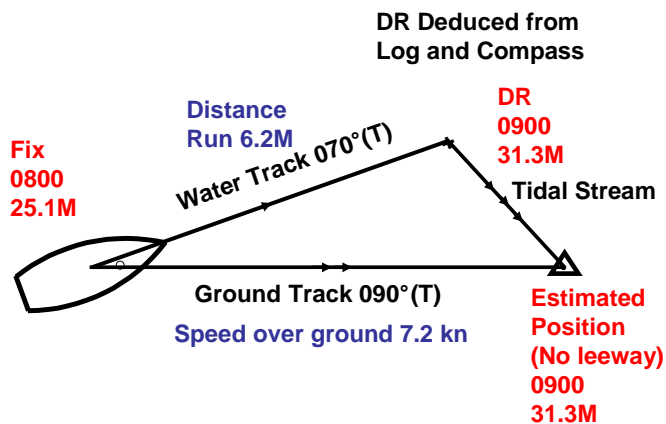
DEAD RECKONING (DR)

The DR is deduced from:

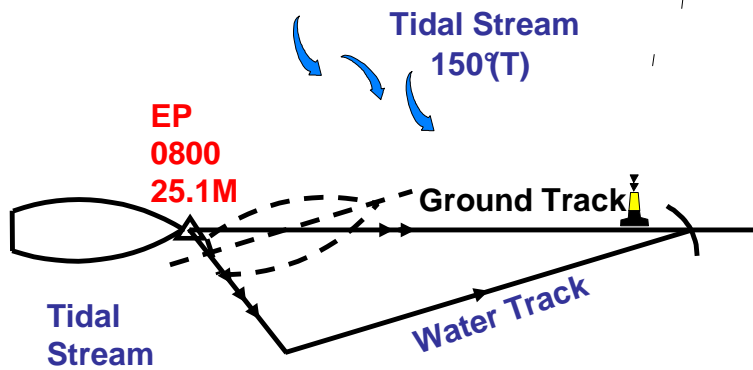
1. Course steered (taken from the Compass)
2. Distance run (from the distance Log)



ESTIMATED POSITION (EP)

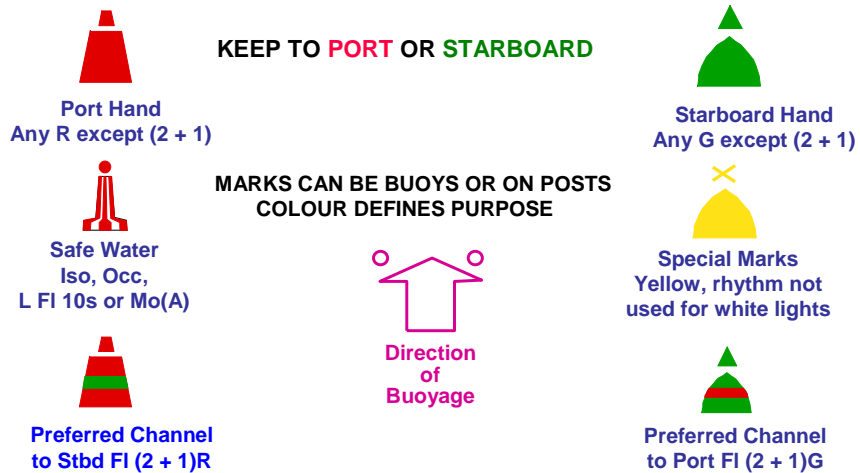


COURSE TO STEER (CTS)

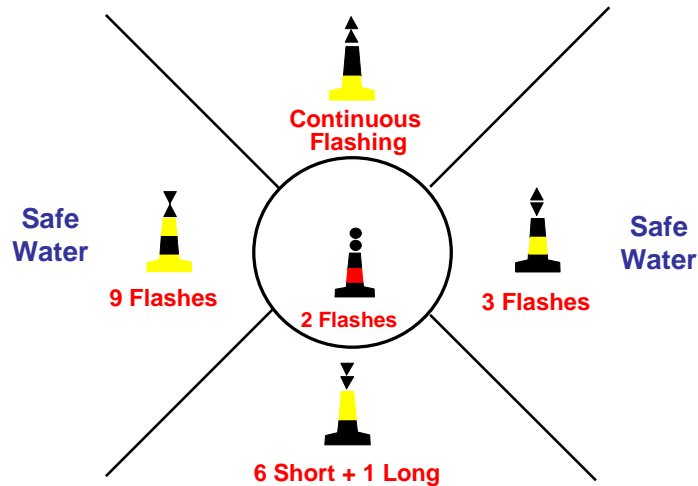


Buoyage

LATERAL AND OTHER BUOYAGE



CARDINAL BUOYS AND ISOLATED DANGER



CHECK LIST

Do I know how to:

- Tie my knots
- Plot my position using Latitude and Longitude
- Plot my position using bearings and distance
- Convert from True North to Magnetic and Compass factoring in Variation and Deviation
- Calculate tidal heights
- Calculate tidal streams
- Calculate my Estimated Position and Course To Steer
- Prepare a pilotage plan, what are the buoys?
- Prepare a passage plan
- Understand the Collision regulations and the lights on vessels.