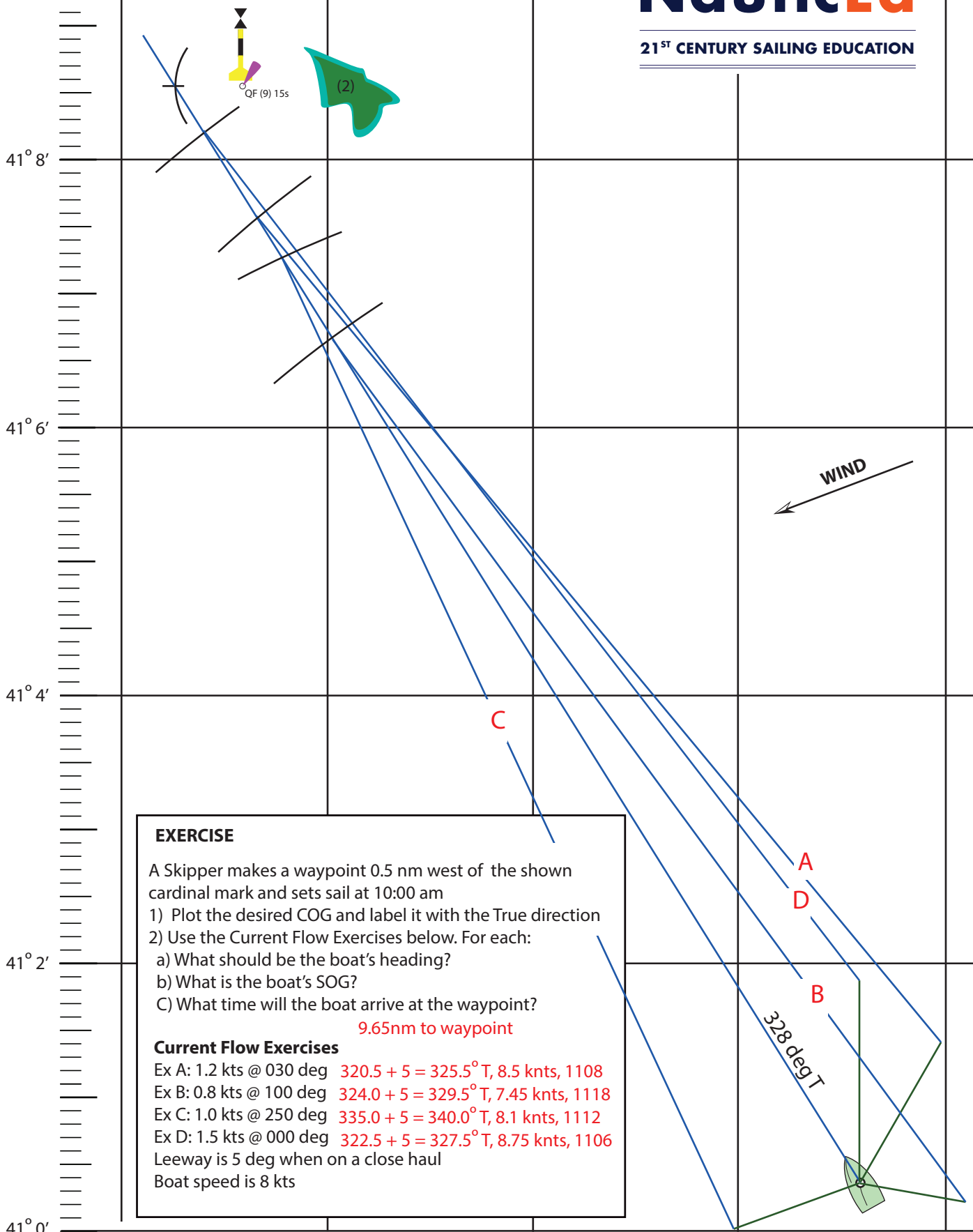


41° 10' 73° 0' 72° 58' 72° 56' 72° 54' 72° 52'

NauticEd

21ST CENTURY SAILING EDUCATION



EXERCISE

A Skipper makes a waypoint 0.5 nm west of the shown cardinal mark and sets sail at 10:00 am

- 1) Plot the desired COG and label it with the True direction
- 2) Use the Current Flow Exercises below. For each:
 - a) What should be the boat's heading?
 - b) What is the boat's SOG?
 - c) What time will the boat arrive at the waypoint?

9.65nm to waypoint

Current Flow Exercises

Ex A: 1.2 kts @ 030 deg $320.5 + 5 = 325.5^\circ T$, 8.5 knts, 1108

Ex B: 0.8 kts @ 100 deg $324.0 + 5 = 329.5^\circ T$, 7.45 knts, 1118

Ex C: 1.0 kts @ 250 deg $335.0 + 5 = 340.0^\circ T$, 8.1 knts, 1112

Ex D: 1.5 kts @ 000 deg $322.5 + 5 = 327.5^\circ T$, 8.75 knts, 1106

Leeway is 5 deg when on a close haul

Boat speed is 8 kts