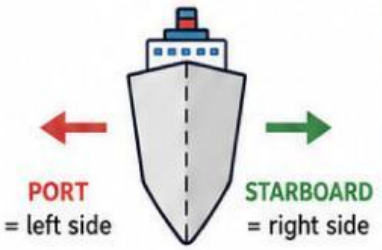
Standard Wheel and Engine Orders

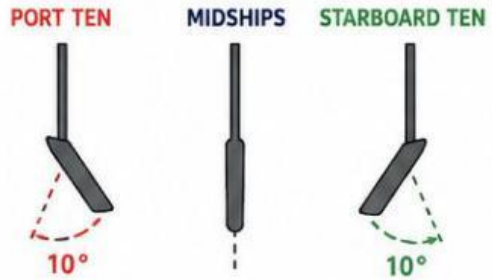
Worksheet 1: Key Vocabulary

Wheel orders control the rudder and the ship's direction. Engine orders control the ship's movement and speed. In bridge communication, the order is repeated to confirm understanding.

1. SHIP SIDES



2. RUDDER (WHEEL) EXAMPLES



3. MOVEMENT (ENGINE)



1. Wheel Orders (7)

Order	Meaning
Midships	rudder straight
Port ten	rudder 10° to port
Starboard ten	rudder 10° to starboard
Hard-a-port	rudder fully to port
Hard-a-starboard	rudder fully to starboard
Steady as she goes	keep the present course
Finished with wheel	no more wheel orders

2. Engine Orders (7)

Order	Meaning
Stand by engine	get ready to maneuver
Slow ahead	move forward slowly
Half ahead	move forward at half power
Full ahead	move forward at full power
Stop engines	stop the engine
Slow astern	move backward slowly
Full astern	move backward at full power

Useful Words

port
= left side

starboard
= right side

ahead
= forward

astern
= backward

Repeat Pattern



Officer: "Port ten."



Helmsman: "Port ten."



Officer: "Very well."

LIVEWORKSHEETS

Standard Wheel and Engine Orders

Worksheet 2: Matching and Complete

Read carefully and complete each activity.

A. Match the wheel orders.

1. ____	Midships	a.	no more wheel orders
2. ____	Port ten	b.	keep the present course
3. ____	Hard-a-starboard	c.	rudder straight
4. ____	Steady as she goes	d.	rudder fully to starboard
5. ____	Finished with wheel	e.	rudder 10° to port

B. Match the engine orders.

1. ____	Stand by engine	a.	move backward at full power
2. ____	Slow ahead	b.	move forward slowly
3. ____	Full ahead	c.	stop the engine
4. ____	Stop engines	d.	get ready to maneuver
5. ____	Full astern	e.	move forward at full power

C. Complete with the correct word.

port **starboard** **ahead** **astern** **midships** **stop engines**

1. The left side of the ship is _____.
2. The right side of the ship is _____.
3. Move forward = _____.
4. Move backward = _____.
5. Rudder straight = _____.
6. To stop the ship's engine, say _____.

D. Complete the response.

1. **Officer:** "Slow ahead."
   Operator: "_____."
   Officer: "Very well."
2. **Officer:** "Hard-a-port."
   Helmsman: "_____."
   Officer: "_____."

LIVEWORKSHEETS

Standard Wheel and Engine Orders

Worksheet 3: Listening and Short Answers

Teacher reads the orders aloud. Students listen and complete the tasks.

A. Listen and circle the order you hear.

1. **Port ten** / Starboard ten
2. **Slow ahead** / Slow astern
3. **Full ahead** / Full astern
4. **Midships** / Finished with wheel
5. **Hard-a-port** / Hard-a-starboard
6. **Stop engines** / Stand by engine
7. **Half ahead** / Full ahead
8. **Port** / Starboard

B. Listen and complete.

Word bank: ahead astern port starboard engines

1. Slow _____
2. Full _____
3. Hard-a-_____
4. Stop _____
5. _____ ten

C. Short answers.

1. What does "midships" mean? _____
2. What is the opposite of "ahead"? _____
3. Which side is port? _____
4. Who repeats a wheel order? _____

port = left



starboard = right

LIVEWORKSHEETS

Standard Wheel and Engine Orders

Worksheet 4: Phonics Focus — /s/ and /z/ Minimal Pairs

/s/ and /z/ sound similar, but they are different. /s/ is voiceless.
/z/ is voiced.



Sound 1: /s/
voiceless, soft hiss,
no throat vibration



Sound 2: /z/
voiced, buzzing sound,
throat vibration

A. Read and repeat.

1. sip / zip	2. Sue / zoo	3. bus / buzz
4. ice / eyes	5. sink / zinc	6. rice / rise

B. Listen and circle the word you hear.

1. sip / zip
2. Sue / zoo
3. bus / buzz
4. ice / eyes
5. sink / zinc
6. rice / rise

C. Complete with the correct word.

sip zoo bus buzz ice eyes rice rise

1. Take a small _____ of water.
2. We can see monkeys at the _____.
3. I go to school by _____.
4. Bees make a _____.
5. Frozen water is _____.
6. We see with our _____.
7. White grain is _____.
8. The sun will _____ in the morning.

D. Minimal pair check.

1. /s/ in _____ and /z/ in _____. (sip / zip)
2. /s/ in _____ and /z/ in _____. (Sue / zoo)
3. /s/ in _____ and /z/ in _____. (bus / buzz)
4. /s/ in _____ and /z/ in _____. (rice / rise)



Tip: Put your hand on your throat. | /z/ vibrates. | /s/ does not.

LIVEWORKSHEETS