



# Adventures and Learning in Marine Careers

## Dear Educator,

Get ready to introduce your students to the exciting world of careers on the open waters.

Captain Sandy's Charities, the State of Florida, and the curriculum specialists at Young Minds Inspired have teamed up to introduce students to the wide range of jobs available on yachts and other vessels — including entry level positions — as well as the responsibilities and skills these jobs involve. The program's hands-on activities will challenge students to work as a team to solve problems, just like a crew, raising awareness about these diverse job opportunities, while supporting Florida State Standards.

We hope that you enjoy this program and will share it with other teachers. And please tell us what you think. **Comment** at [ymiclassroom.com/feedback-marinecareers](https://www.ymiclassroom.com/feedback-marinecareers).

We look forward to receiving your comments.

Sincerely,  
Dr. Dominic Kinsley  
Editor in Chief, Young Minds Inspired

Questions? Contact YMI toll-free at 1-800-859-8005 or by email at [feedback@ymiclassroom.com](mailto:feedback@ymiclassroom.com).

## Target Audience

High school students

## Program Components

The **Steering Toward Success** poster guide includes:

- A classroom poster
- This teacher's guide
- Three reproducible student activities
- A reproducible student handout with career resources
- A reproducible student handout on career planning
- A reply card for your comments

Visit [ymiclassroom.com/marinecareers](https://www.ymiclassroom.com/marinecareers) for:

- Downloadable versions of this poster guide
- An in-depth digital teaching kit with five reproducible activities
- An interactive digital magazine
- A digital quiz
- A Florida standards chart
- A feedback form

## Concepts and Skills

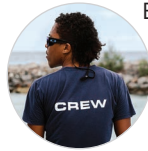
- Explore marine careers
- Career preparedness and planning
- STEM
- Nautical navigation
- Geography
- Reading informational text
- Analytical thinking
- Communication
- Problem solving
- Teamwork



## How to Use This Guide

1. Display the poster in your classroom to generate interest in marine careers.
2. Make photocopies of the activity sheets to use in class or email them to families to use at home.
3. Use the information in this teacher's guide to present each activity. Review the answers and invite students to share their learnings.
4. Use the digital magazine and digital quiz in class or provide families with the links to extend the learning at home.
5. Provide students and families with copies of the career resources and planning handouts.
6. Introduce additional lessons from the in-depth digital teaching kit, if time permits, to enrich learning about marine career opportunities.

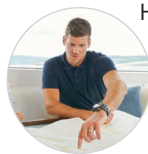
## ACTIVITY 1: All Hands on Deck



Explain to students that the marine industry is a unique place for young people to dive right into career-building work experience. There is job training available to prepare young people with and without a college degree to get on board. Using the poster, discuss the variety of jobs available on a yacht.

Next, distribute the activity sheet and have students work in groups to identify job skills necessary for each job. Answers may vary and many skills will overlap. Discuss how each crew member has a unique role but must also be ready to pitch in to help the team.

## ACTIVITY 2: Find Your Fit



Have students work in groups to brainstorm their individual strengths and interests and then complete the quiz to discover a yachting role that might suit them. Refer to the poster for more details about the types of positions available on a vessel.

After finding a potential fit, students can explore websites listed on the career resources handout to find positions that match their interests and skills.

As an extension, students can create a spreadsheet of their job experience and goals. As they complete a goal, students can add it to their work experience.

## ACTIVITY 3: That's Marine Lingo!



The marine industry has some unique language and terms used to communicate and describe vessels. Using your classroom as a "yacht," ask students to identify the stern, bow, aft, midship, port, and starboard. Next, challenge students to match the marine terms and definitions on the activity sheet and complete the expository writing activity describing a yacht and crew.

**Answers: Part 1.** 1. Tender – I; 2. Bow – F; 3. Aft – H; 4. Galley – N; 5. Bridge – K; 6. Berth – Q; 7. Bosun – E; 8. Head – A; 9. Port – C; 10. Stew – B; 11. Stern – O; 12. Mess – P; 13. Forward – G; 14. Pulpit – J; 15. Starboard – D; 16. Midship – M; 17. Hull – L.

Visit [ymiclassroom.com/marinecareers](https://www.ymiclassroom.com/marinecareers) for additional activities and an interactive game!



Captain Sandy's Charities



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# All Hands on Deck

## Looking for an exciting career? Interested in seeing the world? Opportunities await in the marine industry.

Go below deck to learn what makes a complete crew for life on the water. Read about the roles of the crew members on a yacht. Brainstorm what skills, including qualities and experience, each role might require. Then, on the line under each job, write the numbers of the skills you think are needed. Skills can be used more than once.



### Crew Member

**Captain:** Navigates the vessel, supervises the crew, including hiring and firing. Responsible for the vessel and all lives on board.\*

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**Chef:** Plans and executes incredible culinary experiences for the guests. Supervises the galley.\*

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**Bosun:** Supervises deckhands, making sure they keep the yacht ship-shape for guests. The bosun also sets up water sports for guests.\*

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**Deckhand:** Supports the bosun in keeping the deck clean, safe, and attractive.

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**Chief Steward/ess:** Responsible for supervising all the hospitality on board, from room set up to food service to entertainment.\*

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**Steward/ess:** Supports the chief steward/ess, interacts professionally with guests, and keeps interior of vessel clean and inviting.

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**Engineers:** Maintain the engine, audio-visual equipment, and all other electronics and machinery on board.\*

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### Skills

1. teamwork
2. mechanical skills
3. culinary skills
4. housekeeping skills
5. professional attitude
6. deck experience
7. below deck experience
8. supervisor experience
9. willingness to learn
10. multi-tasking
11. physical strength
12. college degree or specialized training
13. open-minded
14. high-school education
15. strong communication skills
16. adventurous
17. ability to delegate
18. ability to swim
19. problem solving
20. ability to drive a tender (small vessel or craft)

\*Specialized training, experience, and licensing needed.



# Find Your Fit

## On board, each crew position requires different skills and talents.

However, all crew members have at least one skill in common — they can work as a team.



### PART 1: Take the following quiz to identify some of your likes and strengths. Circle your answers.

1. My friends would describe me as:
  - a. quiet and methodical
  - b. outgoing and organized
  - c. strong and hard-working

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2. I love to:
  - a. solve tricky problems
  - b. keep everything in its place
  - c. work with my hands

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3. I have experience with:
  - a. STEM
  - b. culinary arts
  - c. water sports

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4. When it comes to groups of people, I am:
  - a. introverted
  - b. extroverted
  - c. somewhere in between

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5. If I must pick a chore, I would:
  - a. fix a tricky problem
  - b. work indoors
  - c. work outside

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6. I prefer to work:
  - a. on my own or in a small group
  - b. with large groups of different people
  - c. with a group of people I know well

### PART 2: Score your quiz and match your results to the type of marine career that might be a fit for you!

#### Mostly A's:

**Engineering:** Your job is often to problem solve under pressure. You are responsible for maintaining and fixing all the machinery and AV equipment on board, including navigation tools, engines, and Wi-Fi for guests. You don't mind working solo, but are also friendly and professional with guests.

#### Mostly B's:

**Interior Crew:** You don't mind small spaces and love to keep things looking tidy and organized. You look forward to meeting new people and can be professional as well as warm and welcoming on board. You don't mind cleaning and cooking and take pride in your vessel looking its best.

#### Mostly C's:

**Exterior Crew:** You love to be outside and aren't afraid of hard, physical work. You enjoy being on the water and keeping the outside of the vessel clean, safe, and attractive. You like working with a crew you know and can depend on, but also maintain a professional, friendly attitude with guests.



### PART 3: Learn more. Check out these industry websites to learn more about the various jobs and requirements for the area that might interest you.

- Northrop & Johnson: [www.northropandjohnson.com/crew-placement/crew-jobs](http://www.northropandjohnson.com/crew-placement/crew-jobs)
- Marine Industries Association of South Florida: [www.miasf.org/jobs](http://www.miasf.org/jobs) and <https://saltyjobs.org>



# That's Marine Lingo!

Like many industries, the marine industry has some unique language to communicate and describe the vessel.

Get ready for life on board by learning some marine terms.



**PART 1:** Match the following terms to their definitions.

## Term

## Definition

- |                     |                                                                      |
|---------------------|----------------------------------------------------------------------|
| 1. Tender _____     | A. Restroom/bathroom                                                 |
| 2. Bow _____        | B. Short for steward/ess                                             |
| 3. Aft _____        | C. The left side of the boat if facing forward (toward bow)          |
| 4. Galley _____     | D. The right side of the boat if facing forward (toward bow)         |
| 5. Bridge _____     | E. Crew member responsible for deckhands                             |
| 6. Berth _____      | F. Front end of the boat                                             |
| 7. Bosun _____      | G. The bow end of the boat                                           |
| 8. Head _____       | H. The stern end of the boat                                         |
| 9. Port _____       | I. A small craft used for supplying a larger vessel or smaller trips |
| 10. Stew _____      | J. Railing at the bow                                                |
| 11. Stern _____     | K. Captain's navigation area                                         |
| 12. Mess _____      | L. The part of the boat floating in the water                        |
| 13. Forward _____   | M. Middle section of the vessel                                      |
| 14. Pulpit _____    | N. Kitchen on board                                                  |
| 15. Starboard _____ | O. Back end of the boat                                              |
| 16. Midship _____   | P. Place for crew to eat                                             |
| 17. Hull _____      | Q. Bed                                                               |

**PART 2:** Imagine that you are giving a tour of a yacht. On the back of this sheet, write your tour script as you show off the vessel using as many of the maritime terms (and crew positions you've learned about) as possible.



# Resources on Marine Careers

## MARITIME PROFESSIONAL TRAINING (MPT)

<https://www.mptusa.com>

MPT offers all levels of certification, license, and document study programs; many offer in-school testing and are USCG Approved and recognized by many foreign administrations. Their training programs are designed to meet and exceed IMO standards and are STCW Compliant.

- For merchant career information:  
<https://www.mptusa.com/merchant-careers>
- For yachting career information:  
<https://www.mptusa.com/yachting-careers>

## YACHT SERVICE TECHNICIAN APPRENTICESHIP PROGRAM

<https://www.miasf.org/apprentice-program>

The Yacht Service Technician Apprenticeship Program offers a high wage, high skill, and high demand career path that fills a specific need for skilled workers in the marine industry. Working closely with MIA SF and local employers, Atlantic Technical College developed a robust curriculum that includes rigging, forklift and crane operations, pipefitting/plumbing, welding/fabricating, carpentry, painting, and more.

## SALTY JOBS

<https://saltyjobs.org>

A comprehensive site to raise awareness about jobs and career paths available in the marine industry

## NORTHROP & JOHNSON

<https://www.northropandjohnson.com/crew-placement>

Specializes in placing crew members on yachts and guiding successful careers; provides helpful job search tools for crews

## UNITED STATES COAST GUARD

<https://www.dco.uscg.mil/nmc/twic>

Information and details on applying for a Transportation Worker Identification Credential (TWIC) that is required to work at sea

## THE PROFESSIONAL YACHTING ASSOCIATION

<https://www.pya.org>

Provides career advice, certification and verification information, application support and more for those interested in or already a part of the yachting industry around the world



## DOCKWALK

<https://www.dockwalk.com>

Information for captains and crew including salary, job listings, career tips and up-to-date industry news

## STAR CENTER

<https://www.star-center.com>

A not-for-profit division of the Safety & Education Plan of American Maritime Officers (AMO), the largest maritime labor organization for licensed merchant mariners in the USA providing training and continuing education

## MARITIME INSTITUTE OF TECHNOLOGY AND GRADUATE STUDIES

<https://www.mitags.org>

Provides training, courses, and apprenticeships for water and land-based maritime careers

## RESOLVE MARITIME ACADEMY

<https://resolveacademy.com/courses>

Intensive maritime training courses and simulations are taught by active firefighting and response professionals



# Planning for the Future

## Embark on Your Career at Sea

If a career in yachting sounds like something you might be interested in, you can get ready for the adventure on land! Skills you develop on shore are valuable to employers who want to create luxury aboard yachts and other vessels. Strong skills and experience in hospitality, fishing, and water sports can make you a more attractive crew member.

- *Love hospitality?* Take a job at a restaurant to get experience serving or working in the kitchen. Hotel work can also give you experience for being part of the interior team.
- *Feel at home underwater?* Get scuba or diving certified.
- *Fishing trips your idea of paradise?* Learn more about how to lead groups on excursions.
- *Enjoy fixing things?* Working with any kind of engine or electronics can open doors.



## Ready to get started?

There are some requirements from the U.S. Coast Guard for any potential crew member.

- Apply for a Transportation Worker Identification Credential (TWIC) card at [www.tsa.gov/twic](http://www.tsa.gov/twic)
  - You must be 19 to begin this process.\*
  - This will include a fee and background check, but is necessary for anyone working on the water in the U.S.
- Make an appointment at a TWIC application center. You will need a driver's license, birth certificate, or passport, and the fee amount, which varies.
- Look into a training school as some positions on board require specialized training and certifications. For example, Basic Safety Training qualification comprises five modules which include personal survival training, firefighting, first aid and CPR, personal safety and social responsibility, and proficiency in security awareness. More information is available at [captainsandyawwn.com/maritime-training](http://captainsandyawwn.com/maritime-training). You can also see what basic safety training is like at [www.youtube.com/watch?v=QXMARWYd\\_g&t=2s](http://www.youtube.com/watch?v=QXMARWYd_g&t=2s).
- Check out maritime safety training options at [www.osha.gov/maritime/training](http://www.osha.gov/maritime/training).

Continued training will make you more desirable as a crew member, open doors to new opportunities, and raise your salary. Maritime training institutes and the Coast Guard have training opportunities for working on water: [www.gocoastguard.com/get-started/basic-training](http://www.gocoastguard.com/get-started/basic-training)

**\*Remember:**  
Hone those skills that will be valuable on board in the meantime. A great crew is a crew with lots of different skills, ready for any adventure.



# All Hands on Deck

Set sail for a life of adventure. With a great attitude and the willingness to learn, the world is your destination! Check out these marine careers. On the open water, the opportunities are endless.

## Who's Who

### CAPTAIN



Navigates the vessel, supervises the crew, including hiring and firing. Responsible for the vessel and all lives on board.

### CHIEF STEWARD/ESS



Responsible for supervising all the hospitality on board, from room set up to food service to entertainment.

### CHEF



Plans and executes incredible culinary experiences for the guests. Supervises the galley (the kitchen on a yacht).

### STEWARD/ESS



Supports the chief steward/ess, interacts professionally with guests, and keeps interior of vessel clean and inviting.

### BOSUN



Supervises deckhands, making sure they keep the yacht ship-shape for guests. Also sets up water sports for guests.

### ENGINEER



Maintains the engine, audio-visual equipment, and all other electronics and machinery on board.

### DECKHAND



Supports the bosun in keeping the deck clean, safe, and attractive.

### ADDITIONAL ROLES



- Ship repair and maintenance (examples: plumbers, painters, carpenters)
- Engine repair and maintenance (examples: welders, mechanics)
- Design engineers
- Builders and architects
- Shipyard, dock, warehouse roles
- Administrator
- Sales

## Work on the Water and See the World

Check out these popular yacht destinations!

Vancouver Island, Canada



Martha's Vineyard, Massachusetts



Cote d'Azur, France  
Costa Smeralda, Italy

Bermuda



Mykonos, Greece



Bahamas  
Caribbean



Dubai, The United Arab Emirates

