



CAREERS IN THE  
**MARITIME INDUSTRY**

**TEACHER RESOURCE**



# Meet the PEOPLE

## Katie – Deck Cadet

<https://youtu.be/5niSRPC5-H0>



### **Where does Katie work and where is her ship sailing?**

Katie is working for an offshore supply company on an anchor handling tug in Victoria's Bass Strait

### **What are the different types of tasks that Katie undertakes on a daily basis?**

Katie's tasks are varied. She often finds herself up on the bridge maneuvering the vessel, maintaining fire fighting and life-saving equipment, launching the fast rescue craft for a drill or working on the back deck on maintenance projects.

### **What is the most rewarding part of Katie's job?**

Kate explained that she is rewarded by her personal and professional growth and learning experiences and by the fact her team trusts her to manouvere the ship.

### **What is a mentor? Why do you think a mentor is important?**

**(Hint: use the internet to help you).**

A mentor may share with a mentee (or protege) information about his or her career path, as well as provide guidance, motivation, emotional support, and role modelling. A mentor may help with exploring careers, setting goals, developing contacts and identifying resources.





## Bentley – Deck Cadet

<https://youtu.be/MDPOC7O7hS4>

### **What does Bentley love about his job?**

Bentley loves the work to leave ratio – 1 month at sea: 1 month at home and that all meals are included. He enjoys the variety of the tasks he undertakes and always being busy.

### **What is Bentley's dream job?**

To find out more about this job visit [www.jobsandskills.gov.au/data/labour-market-insights](http://www.jobsandskills.gov.au/data/labour-market-insights) and make a note of the key tasks that this occupation involves

Bentley hopes to one day work as a Ship Master:

- Ensures compliance with regulations pertaining to safety at sea and protection of the marine environment.
- Directs the activities of the deck crew for navigational support tasks, berthing and unberthing, maintenance, cleaning and painting of superstructures, and the repair and replacement of defective deck gear and equipment.

### **What does Bentley suggest are useful subjects for Year 11 & 12 students to undertake and why?**

Bentley explained that maths and physics can be useful when navigating a ship, as formulas and concepts are used and these same skills can be applied to maintaining equipment.

### **What personal skills are important for someone working as a Deck Cadet:**

It is important for Deck Cadets to be independent. The ability to get along with others is essential as being a good crew member helps to keep up morale amongst the team.





## Ian – Captain

<https://youtu.be/B7DSfFNbvGw>

### ***Where did Ian undertake his training/course?***

Ian studied at The Australian Maritime College in Launceston, Tasmania.

### ***What does Ian love about his job?***

Ian was thrilled to be able to have increased responsibility early on in his career; by 23 he was maneuvering multimillion dollar ships! Ian loves the many opportunities for career progression in the maritime industry.

### ***What is Ian most proud of?***

By 29 Ian had gained his Master Certificate of Competency and by 31 he had become one of the youngest captains on the Australian coast.

### ***What are some exciting things Ian has encountered in his travels?***

Ian has been lucky enough to see pods of dolphins riding the waves of the ship, whales breaching and seals that hitch a ride on the bow whilst he has been working at sea.

### ***What does Ian say are the rewards of working at sea?***

Ian appreciates the great salary, sailing on the open oceans and the feeling of berthing a ship safely at port.

### ***What does Ian suggest are the most important skills when working at sea?***

Ian says some of the important skills required when pursuing a career at sea are a strong work ethic, the ability to work under pressure and good people, communication and leadership skills.





## Lorrae – Captain

<https://youtu.be/5BL9CnaIJMg>

### **What did Lorrae do after Year 12?**

Lorrae studied and worked as a nurse.

### **What was the One and All? And where did this vessel travel and when?**

The One and All was a square rig sailing ship. It was a tall ship that was built to sail around the world as part of a historical reenactment of the First Fleet. The ship departed from London and sailed via Tenerife, Rio de Janeiro, Cape Town and Mauritius and docked at Australia.

### **What was Lorrae's job on the One and All?**

Lorrae was initially a Galley Slave (to the ship's cook).

### **Where does Masterclass 1 Certificate of Competency allow Lorrae to work?**

Lorrae is qualified to sail on any vessel, anywhere in the world.

### **What are some other occupations on the sea that Lorrae mentions?**

Other jobs aboard seas vessels include harbourmaster, harbour pilotage, marine surveying, shipping officer.

### **What does Lorrae think are the best things about the maritime industry?**

Lorrae values the friendships she has made, the opportunities to travel, the lifestyle, the money and the frequent flyer points!





## Rob – Captain

<https://youtu.be/dHDFmLKnhF8>

### ***What is Rob's formal qualification? What does this allow him to do?***

Rob holds a Masterclass 1 Certificate of Competency. He is able to captain any ship, of any size, anywhere in the world.

### ***What type of vessel has Rob captained?***

Rob has captained cargo ships, container ships, specialised ships that operate robots on the seabed, small tugs and trawlers.

### ***Where has Rob sailed?***

Rob explained that he has sailed every ocean in the world, including both polar icefields, up the Amazon and down the Mississippi, even up and down the Great Barrier Reef.

### ***What other activities has Rob undertaken on the sea?***

Rob has worked in many roles in the Maritime Industry including as a marine pilot on the Great Barrier Reef, marine operations manager of large offshore companies, harbour master of Australia's biggest waterway and piloting ships for Sea Sheppard to protect the whales in the southern ocean. Rob is also a teacher and a civil celebrant.

### ***Why does Rob suggest a career in commercial shipping is rewarding?***

Rob highlighted that the leave and pay conditions are lucrative in commercial shipping, whilst the work is also challenging and exciting. He explained that It is a progressive industry in which employees can work their way to the top.



## Crystal – Subsea Project Engineer

[https://www.youtube.com/  
watch?v=im463O\\_FBEI](https://www.youtube.com/watch?v=im463O_FBEI)

### **What subjects did Crystal undertake in Year 12?**

Crystal studied mainly Maths and Physics subjects in her senior years of school.

### **What does a specialisation in Ocean Engineering involve?**

An ocean engineering specialisation involves offshore construction of platforms pipelines, harbours and ports.

### **What did Crystal do on the Rockwater2?**

The Rockwater 2 is a saturation dive vessel that installs subsea structures designed to retrieve oil and gas from the sea bed. The fuels are then ready to sell for consumer use.

### **What are the benefits that Crystal describes of working both offshore and onshore?**

Crystal highlighted the differences between working both onshore and offshore. She explained that she was happy to experience what it is like to work offshore on vessels or oil platforms and truly experience the offshore lifestyle. Crystal explained that onshore employment opportunities suit some individuals, as they are able to be closer to home.





## Kameron – Chief Engineer

<https://www.youtube.com/watch?v=TvAjQx9KztA>

### ***What vessel is Kameron currently working on and where is he stationed?***

Kameron is working on the ScandiDarwin. A 90m long, 12,000 horsepower offshore support vessel off the Kimberly region of Western Australia.

### ***What did Kameron's cadetship include?***

Kameron's cadetship was 4 years long. It included tertiary studies, time served onboard various ships and time served in marine engineering repair workshops.

### ***What engineering systems do marine engineers work with?***

Marine engineers work on the biggest diesel engines in the world with complex electronics and control systems, hydraulics, pneumatics, refrigeration and air conditioning and sewage plants and even toilet systems!

### ***What are some of the benefits of a life at sea?***

Kameron explained that a career at sea enables individuals the chance to earn a good wage, enjoy long periods of leave and not have commute to work. He described his career as interesting, challenging and rewarding.







## Jim – Chief Engineer

<https://www.youtube.com/watch?v=7JghCoJXjfs>

### ***What does Jim enjoy most about working in the maritime industry?***

Jim explained that no two days are ever the same when working as a Chief Engineer. There are always different challenges and conditions to contend with. He has enjoyed the opportunity to work on a number of different vessel types and sail on oceans all over the world.

### ***What is Jim in charge of as the Chief Engineer?***

Jim's role is to keep all systems on a vessel operational. This includes power, water, hydraulics, computer systems, deck machinery and propellers.

### ***Why do you think Jim suggests it is important to be a curious with good problem solving skills?***

Answer for discussion.





## Amelia – Deck Cadet

<https://youtu.be/jluRtMfdXIA>

**What does Amelia love about her career? What are two examples Amelia gives?**

Amelia loves that every day is different for her. One day she could be carrying a wind turbine as cargo, and the next she could be piloting the lifeboat.

**What did Amelia recently get to do in Devonport?**

Amelia had the opportunity to steer her ship out of the port in Devonport under the guidance of her captain.

**What Year 12 subjects did Amelia say she found the most useful in her job? What advice did she have for anyone thinking about working in the Maritime Industry?**

Amelia said that Maths and Physics were the most useful for her job. Amelia suggested that anyone interested in working in the Maritime Industry should be open to giving anything a go and making the most of every opportunity. You need to be willing to learn, and can't be afraid to get your hands dirty!





## Kirsteen – Tugmaster

<https://youtu.be/w-0XINfEq4c>

### ***What workers are involved in the launch of Kirsteen's tug from the wharf?***

The Engineer starts the tug's engines and gives Kirsteen bridge commands, before the Guides let go of the lines and lift the gangway. When the tug is free from the wharf Kirsteen is ready to take it to meet the ship.

### ***What does Kirsteen say is the best part of her job? What can be challenging about her job?***

Kirsteen loves that she can cruise around the Port of Melbourne assisting large ships get in and out of the berth. She said that at times it can be challenging working in a small tug up close to huge ships, but the tug has all the power needed to get the job done

### ***What keeps Kirsteen's job interesting?***

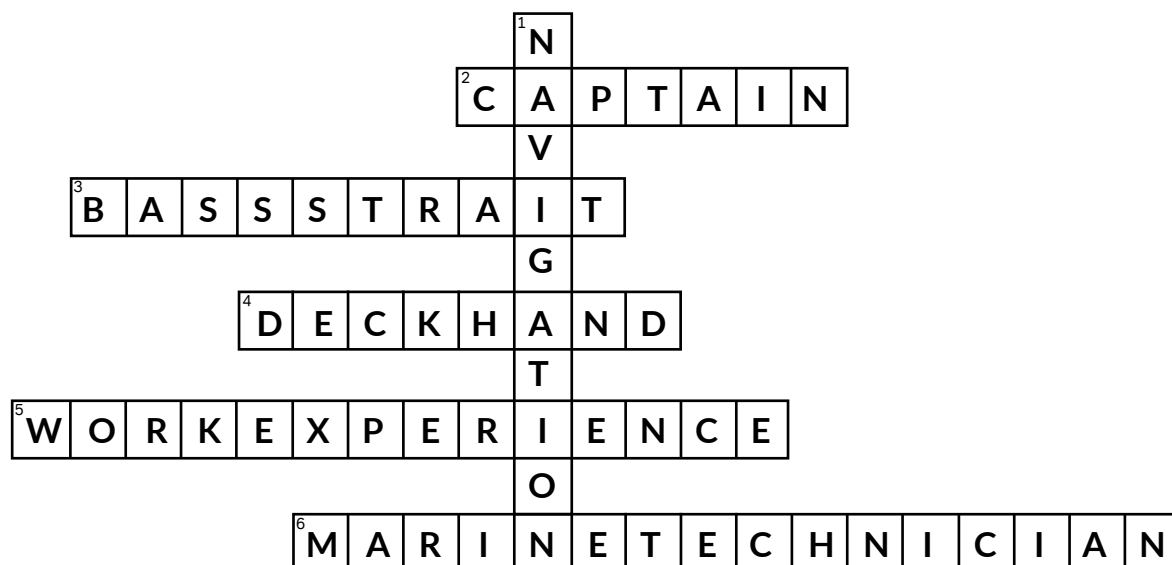
The huge variety of ships she gets to work with, the fact that every job is different and the constantly changing weather conditions. Kirsteen says that the port is particularly beautiful at night in calm conditions, but all weather conditions have their own appeal.

### ***What do you need to always be aware of as a boat handler?***

Boat handlers need to be constantly aware of the weather conditions and the effect these might have on their vessel. They also need to know that things can appear differently at night than they normally would during the day.



# Crossword PUZZLE



## Down:

1. Accurately determining the position and controlling the movement of a vessel along a desired course

## Across:

2. Head of the ship
3. Ocean between Victoria and Tasmania (4 .6)
4. Assists the captain to carry out duties
5. A short student placement (4. 10)
6. Works on all ships systems to keep operational (6, 10)



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TO FRONT PAGE