

Sea Storm

Learning intention

- To recognise the skills required for the future jobs and to recognise the skills in themselves.
- To gain a better understanding of the skills of creativity and leading.

Success criteria

- I can discuss the relevance of skills to the wider world and make connections between skills and the world of work.
- I can recognise the skills I have and need for work.
- I can apply my skills to get more information about jobs/careers.

Activity 1 (background information)



<https://www.shippedbysail.org>

Activity 1 (discussion)

Shipped by Sail is a sustainable, environmentally friend, emission free shipping company.

They ship coffee and olive oil on a sailing ship, which means the use the power of the wind rather than diesel to power an engine

- What do these words/phrases mean?
 - Sustainable
 - environmentally friendly
 - emission free

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Activity 1

Think of what jobs you might need on a sailing ship and write them down.

Make up your own jobs cards for the jobs you identify.

Engineer

Engineers research, design and build everything we use - from bridges and buildings to cars and computers. Specialist areas include civil, mechanical, electrical and aerospace engineering. Excellent maths and science knowledge and problem solving skills are required.



Study/Training:	4 Years
Physical Effort:	50
Brain Power:	85
Social Good:	70
Average Salary:	£40,000
Robot Risk:	0

Fun Fact: The world's tallest building, the Burj Khalifa in Dubai, measures 828 metres in height!

Chef

A Chef prepares food using a variety of cooking techniques. They also plan menus, deal with suppliers, manage budgets and organise staff in a restaurant, pub, cafe or hotel. Excellent leadership and multi-tasking skills are needed.



Study/Training:	1 Year
Physical Effort:	65
Brain Power:	54
Social Good:	46
Average Salary:	£21,000
Robot Risk:	2

Fun Fact: The largest pizza ever made weighed over 12 tonnes and measured 37.4m in diameter!

Fire Officer

Fire Officers tackle emergency situations including fighting fires and dealing with car crashes. They also educate the public about fire safety. The working conditions are often dangerous. Excellent team working and problem solving skills are required.



Study/Training:	1 Year
Physical Effort:	90
Brain Power:	45
Social Good:	86
Average Salary:	£31,000
Robot Risk:	3

Fun Fact: The smoke from a house fire is so thick that a house would be completely dark in 4 minutes, even with all the lights on!

Pilot

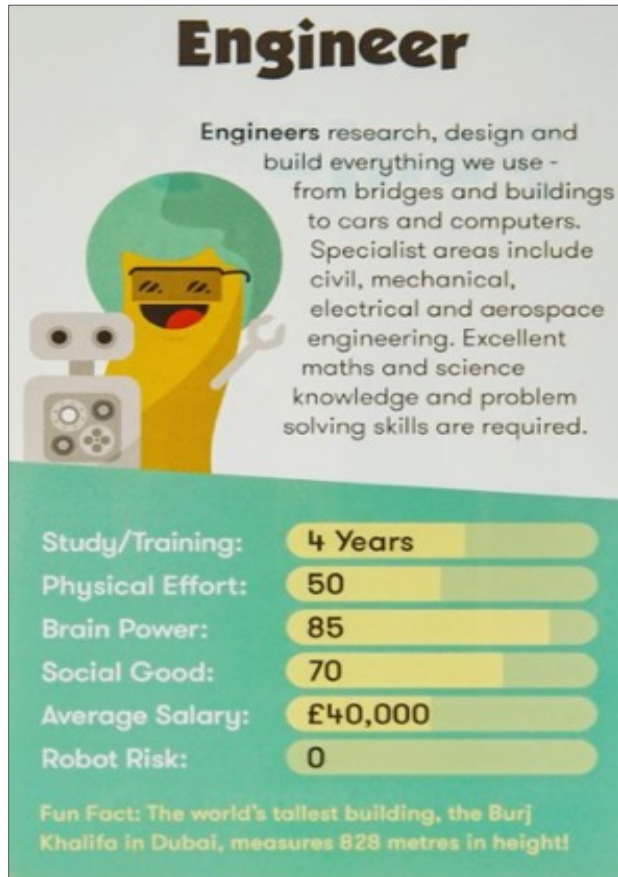
Pilots fly aircraft carrying cargo or passengers either within one country or around the world. They check engines, instruments and fuel and monitor in-flight data. Pilots need a pilot's license and an ability to follow instructions and remain calm under pressure.



Study/Training:	5 Years
Physical Effort:	35
Brain Power:	75
Social Good:	49
Average Salary:	£85,000
Robot Risk:	6

Fun Fact: The Lockheed SR-71 Blackbird holds the air speed record with a speed of 2,193 mph (3,530 km/h)

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Each of the cards should have the following information

- Job description
- Study/training (years)
- Physical effort (1 to 100)
- Brain power (1 to 100)
- Skills required (top two skills)
- Robot risk (1 to 100)
- Relevant school subjects (identify two)

Activity 2 (video 1)



What are the skills needed to be part of the ships crew?

Timbercoast - Cargo Under Sail

Activity 2 (video 2)



[Cargo under Sail | Ben Decosse | TEDxMünchen](#)

Activity 2 (video 2 questions)

1. How many people in the audience had coffee or tea to drink over the last week?
2. If the shipping industry was a country it be a big polluter. How big a polluter would it be?
3. What was the name of the 1920s schooner ship that they wanted to rebuilt with the aim of putting cargo back under sail?
4. Can you list three of the jobs that people from all over the world came to do when rebuilding the ship?
5. How many volunteers did they have?
6. How many months did it take to rebuild the ship?
7. What was their first cargo?
9. It took them 3 months to sail from Honduras to Germany – which seas and oceans

Activity 4 (group work)

Using the skill of leadership

- If you were in charge of rebuilding a ship with 126 volunteers from 26 countries - what kind of leadership skills would you need?
- If you were shipwrecked on an island with 5 other people:
 - What jobs would you give people to do on the island and why?
 - What would do to keep the crew happy and hopeful?

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Activity 2 (video 2 answers)

- 1. How many people in the audience had coffee or tea to drink over the last week?**
A: All of them
- 2. If the shipping industry was a country it be a big polluter. How big a polluter would it be?**
A: They'd be the 6th biggest polluter on the planet ahead of Germany and Canada
- 3. What was the name of the 1920s schooner ship that they wanted to rebuilt with the aim of putting cargo back under sail?**
A: The AVONTUUR
- 4. Can you list three of the jobs that people from all over the world came to do when rebuilding the ship?**
A: Welders from Argentina
Sailors from Denmark
Carpenters from Israel
Shipbuilders form Germany
Architects from Australia
- 5. How many volunteers did they have?**
A: 160 volunteers 26 different countries
- 6. How many months did it take to rebuild the ship?**
A: 18 Months
- 7. What was their first cargo?**
A: 3 barrels of rum
- 9. It took them 3 months to sail from Honduras to Germany – which seas and oceans did they travel?**
A: The Caribbean Sea and The Atlantic Ocean

Activity 3 (discussion)

Using the skill of creativity

- Can you think of a way to bring cargo long distances without using fossil fuels?
- What could you build a ship/cargo vessel from?

Next Steps



Go to myworldofwork.co.uk/ican and use Skills Story - Sea Storm Story and then you can update the Skills section in your Profile to record the skills you have used taking part in this activity