

Trade

Introduction – Ships and Trade

Where do the things we eat and use come from?

Look at the packaging on tinned and dry goods.

What languages are used and what languages are missing?

Look items of clothing, plastic metal and other goods.

Make a chart of countries of origin and languages on the packages

Where are most of these goods manufactured?

What is used to convey these goods around the world?

Answer

Estimate of how much of everything we touch, use and eat has been moved by a ship?

Name a species that travels great distances on the surface of water.

Answer

Humans have become dependent on global trade. We are always looking for better ways to move things around the world.

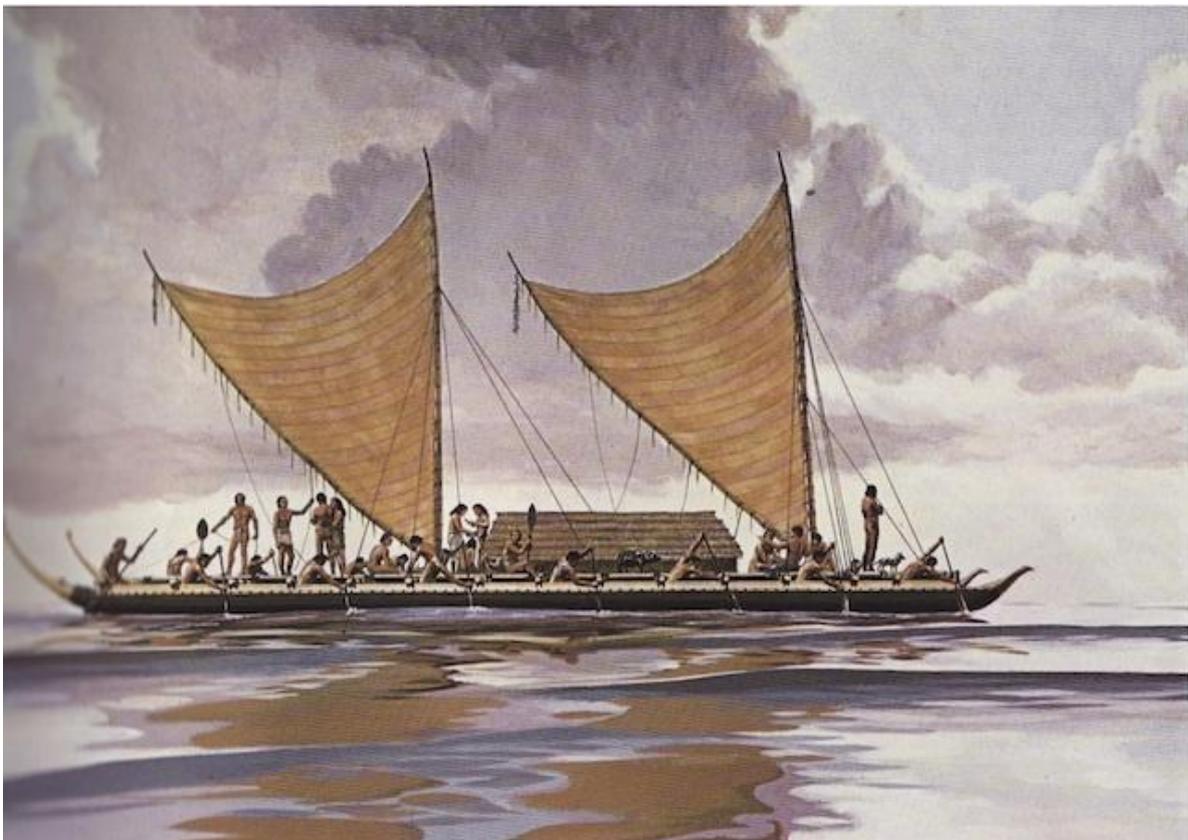
Cut up the pictures of trading ships and work as a team to put them in chronological order.

Trade and Colonialism – Pupil Worksheet – Introductory Lesson – Ships

1.



2.



Trade and Colonialism – Pupil Worksheet – Introductory Lesson – Ships

3.



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Trade and Colonialism – Pupil Worksheet – Introductory Lesson – Ships

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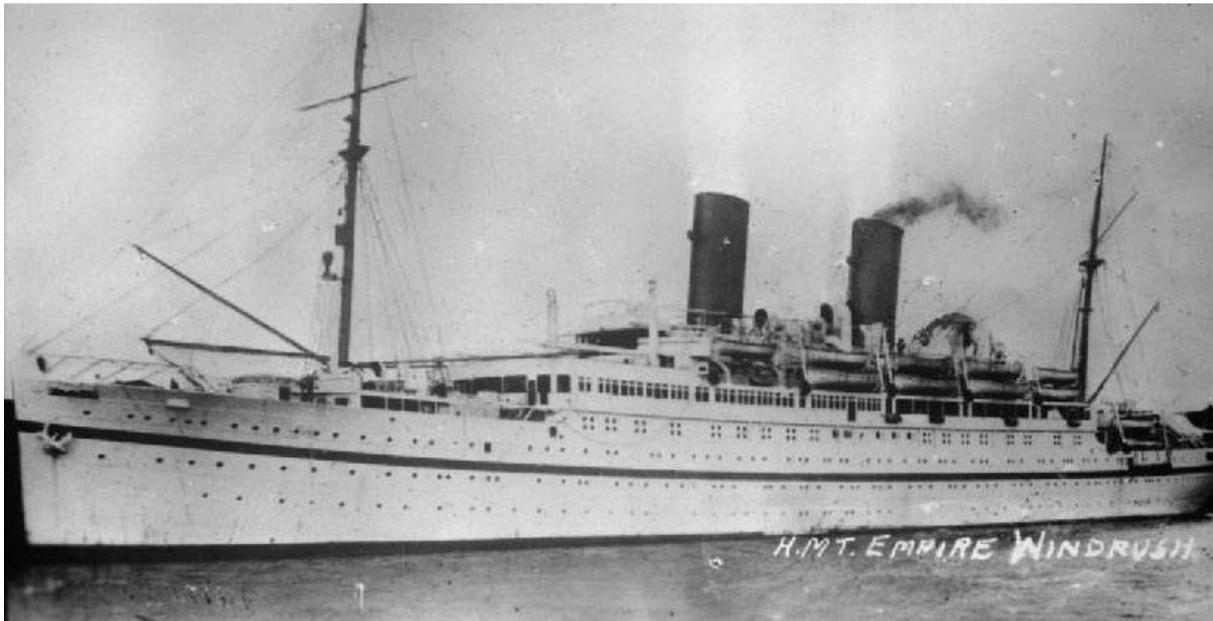


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Trade and Colonialism – Pupil Worksheet – Introductory Lesson – Ships

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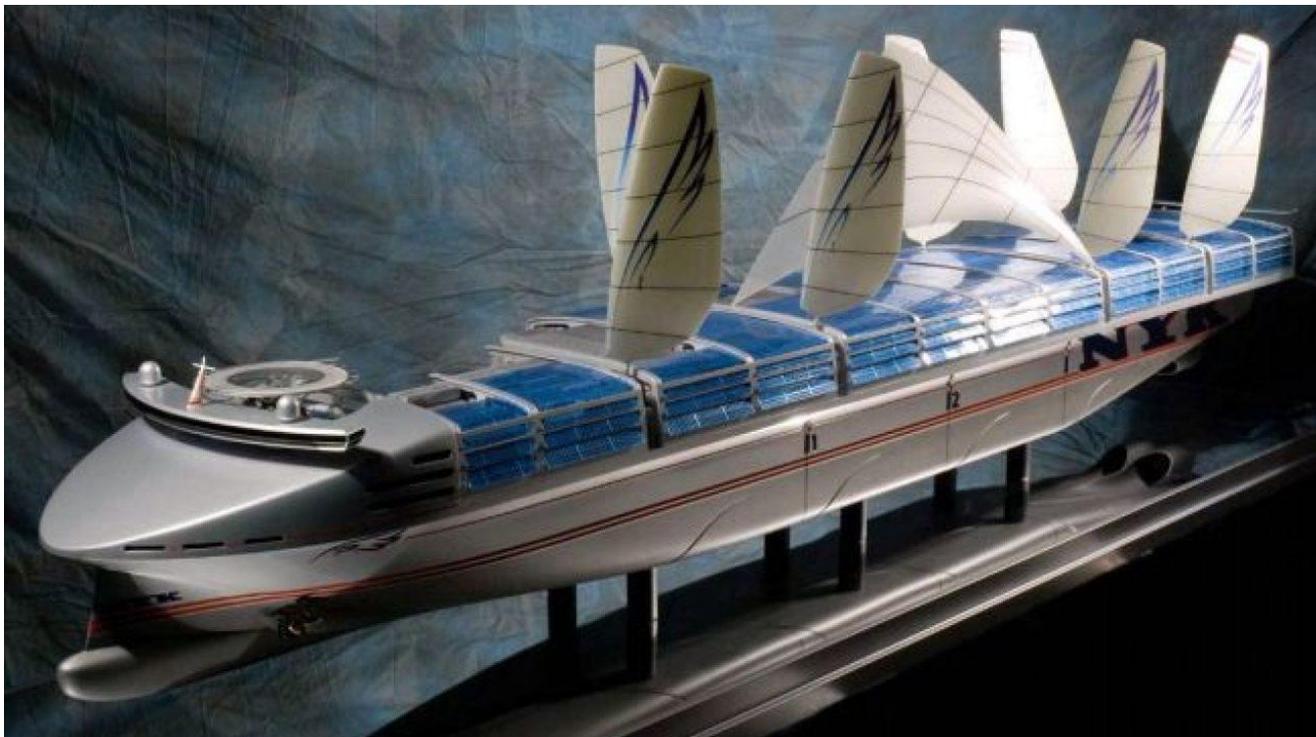


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The future –To meet rapidly changing global laws on pollution, ship design and ship propulsion has to find new sustainable methods of transport.

Look at these images of concept ships for the future –some of these are now a reality.

Sails – Mechanically hoisted and adjusted by computer



No crew needed to hoist sails

No crew needed at all with an autonomous ship steered by satellites



Flettner Rotors – Spinning columns driven by the wind. An invention of the 1920s ignored because coal was cheap – now being fitted to ships.



Extension activity – How does a Flettner Rotor work - What is the Magnus Effect?

Activity – Work as a pair or small team to design a concept cargo ship for the future.

This can be in pairs or small teams. There are plenty of images on-line of futuristic shipping solutions. The team should consider these points.

- **What will it transport?**
- **Where will it go?**
- **How is it powered?**
- **How fast does it need to be?**
- **How will goods be loaded and unloaded?**
- **How big a crew?**