Inquiry Design Tech

To float or not to float…
What vessels have been used to travel across the seas?
What materials were they made of? What shapes were they?

Think about how you might investigate this?

… do an experiment?
… interview someone?
… research via book or video?
… explore or collect data?

Continue your inquiry project each day and when you are finished upload to google classroom.

Follow the steps to complete your inquiry project.

Step 1 – Research the different types of vessels, that have been used to voyage across the seas. List them on the mind map attachment.

Step 2 – Choose one vessel you are interested in researching from your mind map. Circle it.

Step 3 – Research what materials they were they of? What shapes were they? Why they the vessel was made, its purpose, and when. Fill in the attached note taking template. When you note take, just write the key words from your research. Do not write whole sentences. Do not plagiarise.

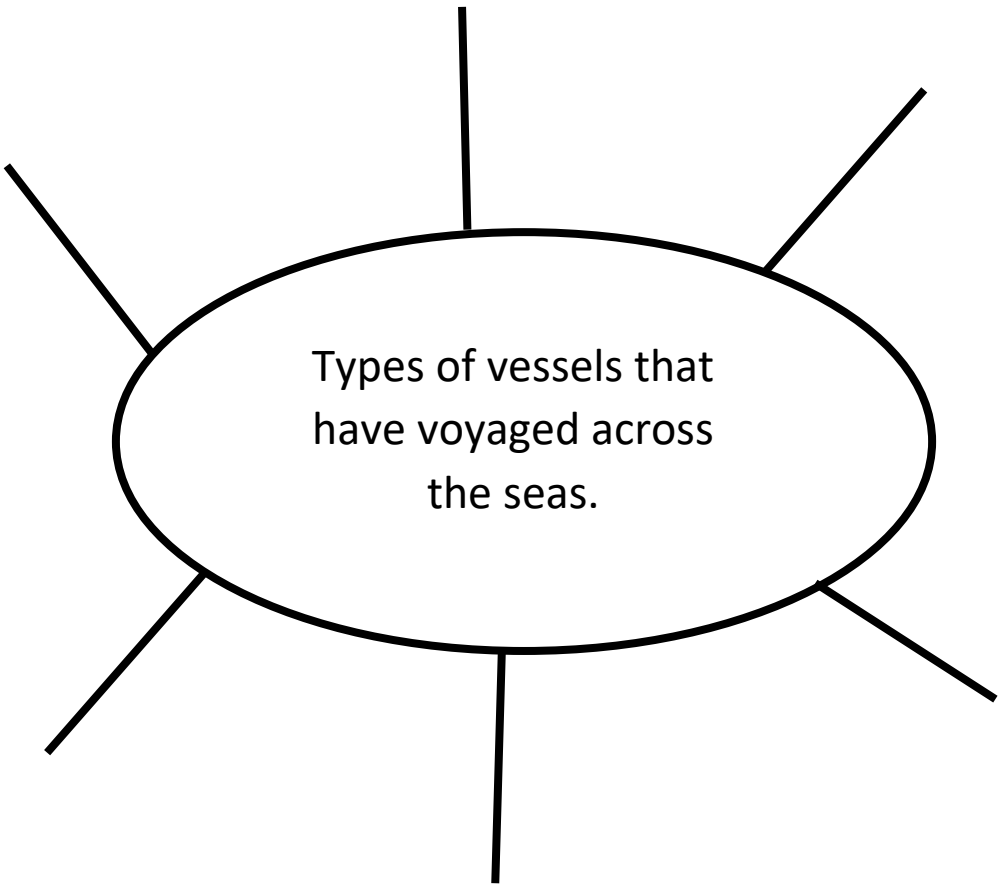
Step 4 – Design your own vessel that could help an explorer travel across the seas. Make sure you consider the types of materials you have available around the house and the shapes required to travel through water.

Step 5 – Make your design using materials around the house.

Step 6 – Test your vessel on water, post a photo or video of you vessel on seesaw.

Step 7 – Reflection – complete the reflection template. Did your vessel work? How could you improve upon it

Mind Map



Note Taking Template

Name of vessel: _____

What materials were the vessel made of? What shapes can you see?

When and where did the vessel travel? Include a map.

Why was the vessel made?

Vessel Design

Draw and label your design

What you will need

Tools

Materials

What your will do (your method)

1.

2.

3.

4.

5.

6.

Reflection and Evaluation – To float or not to float

1. Did your vessel float? Explain

2. Did you need to change something from your original design? Explain

3. What would you need to improve to make your vessel the same size as your researched vessel? Explain.

4. If you were to make it again, what would you change? Explain.

A photo of my vessel.