**Historical Development of Boats – Research Task**

Name: Advisory: **Due Monday Week 2 (6/2/17)**

Use the Library and online sources to answer the following questions.

1. What were the earliest types of boats, how were they made.
2. Who lead the Kon-Tiki expedition and what were they trying to prove.
3. Steel is heavier than water. How do steel boats float and when did they start being made?
4. Why did steel boats become more popular than timber boats
5. How do wooden boats not leak?
6. In South Australia Aboriginals made canoes to fish from. Explain how this was done.
7. What is antifouling paint and what are the environmental considerations around its use.?
8. How do sailboats sail into the wind?
9. There are a small number of timbers that are highly suited for boatbuilding. What are they, where do they come from and what are their characteristics.
10. Which to Explorers and boats met in Encounter bay in 1802 in South Australia. What could have happened? Explain the story and the significance of their meeting.
11. Many countries such as England developed a system of canals and locks for longboats. Why?
12. What is the plimsoll line on a boat. when and why was it developed?
13. What is ballast and why is it needed?
14. What was the significance of the 1983 Americas cup sailing race? Who won it and what was the secret design feature of that boat?
15. Describe the advantages and disadvantages of the following types of Hull designs

V shaped Hull

Flat bottomed Hull

Catamaran

Hydrofoil

**Your Answers need to be neatly typed or written, after the question.**

**Most questions require at least a paragraph answer**