



Thames Sailing Barge Trust  
Pudge Project  
Upper Key Stage 2 Science: Forces  
Water Resistance (approx. 40 mins + practical)



## Questions for boat investigations

### Shape of hull investigation

- *What are your variables?*
- *What needs to stay constant to ensure the push and journey of each boat is the same?*
- *How many times will you test each boat?*
- *What equipment will you use?*
- *How will you record the speed?*
- *How will you record your results?*
- *What will you look for in your results to make your recommendations?*
- *What key pieces of information need to be included in your text/message?*
- *Are there any improvements to your investigation that might have made the results more accurate?*
- *What other things could you investigate about boats and water-resistance?*

### Salty water vs fresh water investigation

- *What are your variables?*
- *What needs to stay constant to ensure the test is fair?*
- *How will you test each type of water?*
- *What equipment will you use?*
- *How will you record the weight of the cargo?*
- *How will you record your results?*
- *What will you look for in your results to make your recommendations?*
- *What key pieces of information need to be included in your text/message?*

## Salty water vs fresh water investigation cont.....

- *Are there any improvements to your investigation that might have made the results more accurate?*
- *What other things could you investigate about boats and upthrust?*

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