



Name Class Date

Consider the role of strength and weight in selecting materials for the construction of a boat for the America's Cup Challenge, then look at the questions below.

Planning

EXPLORE

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CREATE

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EVALUATE

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Help

Explore

- Why is it a problem?
- Who is it a problem for?

Create

- What solutions already exist (if any)?
- What are their pros and cons?
- What other solutions or improvements can you think of (at least 3 designs)?
- Which is the best solution? Why?
- How would you do it? (Select materials and generate a plan on how to test it.)

Evaluate

- How did it work?
- What went well and what didn't?
- What would you change?