

PLAN YOUR VOYAGE!

- Start with the weight of the empty canoe. 15,000
- What is the total weight of your crew? _____
- How many gallons of water will you need? What will it weigh?
Plan on 0.8 gallons per person per day. Water weighs 8 lbs/gallon. _____
- Plan on 5000 lbs of equipment 5000
- Personal gear for crew members (50 lbs each) – total _____
- What is the average weight of a day's meals (plan on 30 days)? _____
- What is the total food weight for your voyage? _____
- Without exceeding 24,000 lbs total weight, how much food can you carry? _____
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- What is the total weight of the canoe when it is loaded? _____

What can you change to reduce the load weight of the canoe? How will changing these variables affect the crew, the canoe or the voyage? Explain.

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In order to fill out the worksheet above, you will need to find out certain information.

1. Find the total weight of your crew.
2. Figure out how many days you will be sailing. Each person gets 0.8 gallons of water PER DAY. How many gallons total?
3. Weigh your dinner. Don't forget to subtract the weight of the plate. Add $\frac{1}{3}$ more weight for packaging of the food. Add the total weight of dinners of the class. Based on 3 meals a day for the length of your voyage, what is the total food weight you expect to carry?