

BUILDING A CANOE, PART I

1. Use your sketches and measurements of Hokule'a to estimate the **volume** of the hulls. What is the square footage of each compartment? How many compartments are available for storage?
2. Estimate that food, water and equipment take up three-quarters of the storage space on the canoe. How much storage space is available per person? Would you want storage above or below deck?
3. What other features should your canoe have for safety? For comfort? Make a list of features you want to include. Which ones are most practical?
4. From the item lists given to your group, choose the 10 most important items to bring on your journey. Be able to explain why you chose those items. Will those items fit in your available space?

5. From the information you got on from crew members on our field trip to see Hokule'a and Hikianalia, figure out which features of the canoes could be changed. Are their features that could be added?