

Cottage Design

Situation

You have just inherited a beautiful piece of land on a quiet lake and a bank account full of money! Life is good. You have decided to treat yourself to the cottage you have always dreamed of.

Problem

Using the design process design a floor plan for your dream cottage. Upon doing research you have found that for your cottage lot on the lake your cottage can be no more than 1800 sq feet by building codes for that area. Your cottage must be only one floor, include at least 2 bedrooms and one bathroom (you can have more if space allows). There must be a kitchen area and living area. You must also include a laundry facility but this can be combined with the bathroom if you choose.

Requirements

Use the problem solving model to solve this problem and record all work on your webpage.

1. Identify the problem and limitations of this challenge.
2. Research- answer the following questions
 - a. What is meant by the term square footage?
 - b. Review the material provided on room planning and answer the questions provided for each section.
3. Ideas- generate ideas for floor plans by sketching at least 3 different designs on graph paper- please use a ruler.
4. Design- once you have decided on one of your ideas and had it approved by the teacher draw your floor plan in Google Sketchup
5. Evaluation- answer the following questions about your completed plan:
 - a. Show your plan to at least 2 other teachers. Have them give you feedback on you design and document their comments.
 - b. What would you do differently next time if you have more time to modify your plan?