

Unit 3, Topic 2: Problem Situation

You and your partner will be using the 8-Step Design Process to construct a model house. The first step is called “Problem Situation”, however, all problems in the world of production can be considered to be “opportunities”.

For instance, some homes have a kitchen designed so that when a refrigerator door opens, it blocks a doorway. Some homes have an entrance with a closet too close to the main door so that if more than one person arrives, the porch is quickly congested (because the first person to enter has stopped to hang up their coat or take off their boots and no one else can enter the house).

In this very exploratory and open step, you and your partner will compile a list of things that you dislike about residential design (problems). However, opposite of those problems, you will begin to generate fixes (opportunities).

PROBLEMS	OPPORTUNITIES (SOLUTIONS)
<p>(Example)</p> <ol style="list-style-type: none"> 1. Traditional house layouts result in “boxy” rooms 2. Hallways are actually a waste of space 3. Low ceilings make any space claustrophobic 	<ul style="list-style-type: none"> - Instead of “boxy” rooms, try an “open concept” layout - Hallways could be enlarged to become usable spaces such as rec rooms, or living rooms or home theatres - Raise the ceiling (this can also improve air quality)

You should also begin to look at basic designs that you and your partner prefer (two-story homes, a cottage “look”, a flat roof, decorative trim, or even the idea of an “open house” concept that limits the number of walls). Review the slide show and use terms found there (such as “Victorian” or “Modern” or “Roman” or “Greek”).

[KEEP SCROLLING DOWN]

There is a useful British television show (Grand Designs) that can help think about home design / architecture:

<https://youtu.be/yPe6dc7Iwwc>

Develop a simple bulleted list of the main features that your final product (your model house) will display.

These THREE(3) items should be added to Google Classroom as a Document or Presentation:

- ❖ Table of problems and solutions [6 marks]
- ❖ Residential Preferences (of both partners) [3 marks]
- ❖ Agreed-upon features of your final house [3 marks]

Finally, within Google Classroom (Production Technology), under Unit 3 – Daily Log, add an entry. At the end of every single technology class, you will answer the question, “What did I do today?” These are created by each individual (not as a team). Do not share your Portfolio with your partner. This is a private document that you add to at the end of each class.

TOTAL: 12 MARKS