



# Treehouse Project

IT Girls

Winter Semester Project

# INTRODUCTION

*Mrs. Roxanne Seymour*

- Chief Information Officer (CIO) at Serta Simmons (mattresses and bedding)
- In my role, I lead teams that will determine **what** our Technology Systems do and **how** to implement those new systems so people can use them
- I went to Lawrence Technological University (In Michigan) where I earned a Bachelor's of Science Degree in Computer Information Systems

MICHIGAN





# SUMMARY OF PAST SEMESTER

- Learned a lot about new concepts and technologies last semester
  - Cloud Technologies
  - Development / Coding Concepts
  - Personal Finance and Wealth
  - Teamwork & Collaboration
  - Project Management
  - & More

# TREEHOUSE

- For this project, you are going to create your own dream treehouse
  - Design
  - Plan
  - Build

The overall goal is to build a treehouse from construction materials







# TREEHOUSE PARTS 1

There are 3 major parts of the house that you will build and design.

## THE BASE

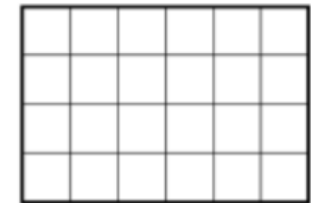
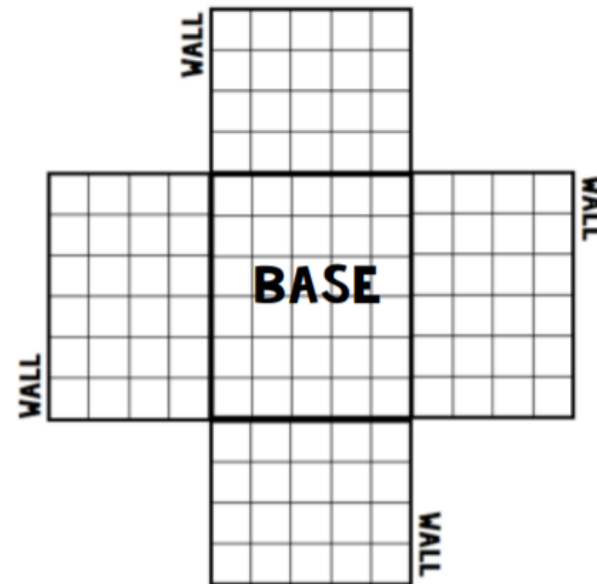
This is where you create the floor plan of the treehouse.

## THE WALLS

Each wall is connected to the base. The entire FRAME can be cut out in one piece.

## THE ROOF

The roof will sit on top of the frame. It's size is just a little larger so it will fit on top of the FRAME of the treehouse.



6x5

There is a separate page of roofs to choose from. Choose the size you would like.

They don't have to match up perfectly if you don't want them to.

The BASE and WALLS are the FRAME.



## TREEHOUSE PARTS 2

This is an example of a BASE floor plan.

The BASE (floor) of the treehouse can be designed however you would like.

You will design the base using a bird's eye view. Imagine looking straight down as you add in the furniture and lay it all out.



**FLAT  
SCREEN  
TV**

**RUG**

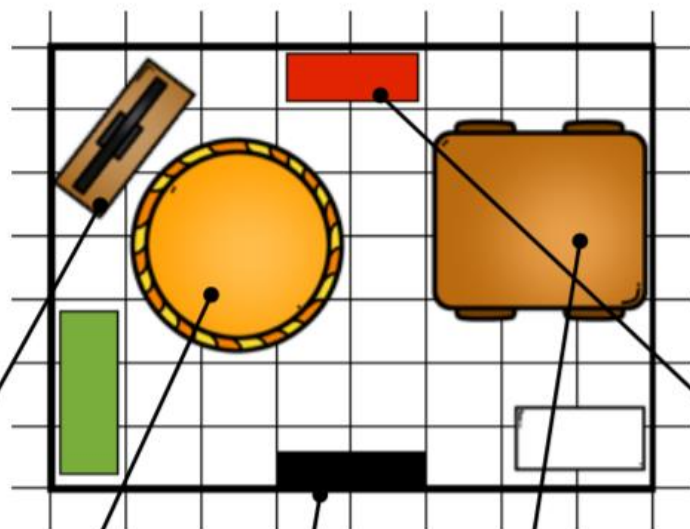
**ENTRANCE**

**TABLE**

AREA: 9 square units  
PERIMETER: 12 units

**BOOKSHELF**

AREA: 2 square units  
PERIMETER: 6 units



Area and perimeter are not required, but you can still find them (if you want). That is why they are labeled below.





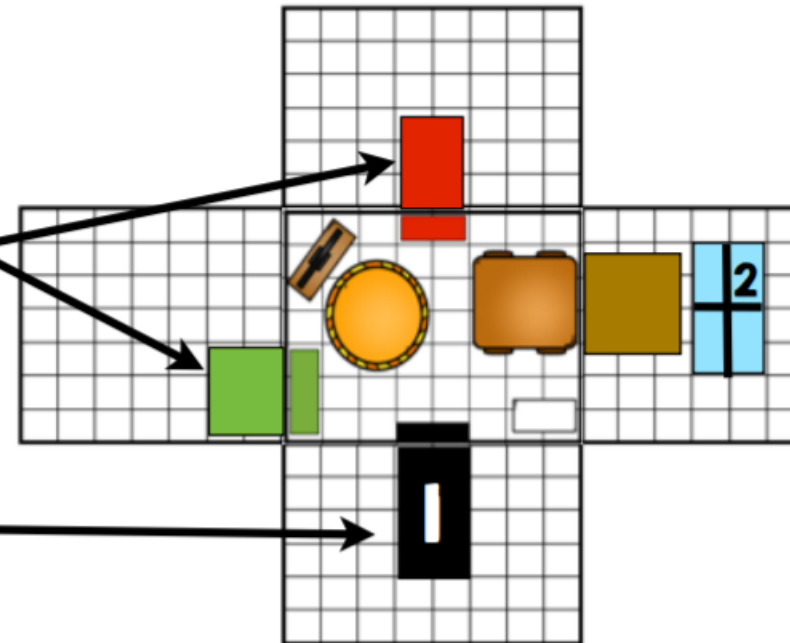


## TREEHOUSE PARTS 3

Once the BASE is complete, move to designing the walls. The walls will need to match up with the design of the base.

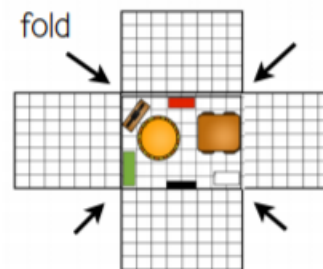
**EXAMPLE:** If there is a shelf on the floor against a wall, it must be on the wall when you create it.

Each section you create there must be at least one door (1) and window (2) for the treehouse. They are labeled (at right).



When the inside design is complete you will cut out the FRAME.

The wall can be folded up so you can see what the treehouse will look like.

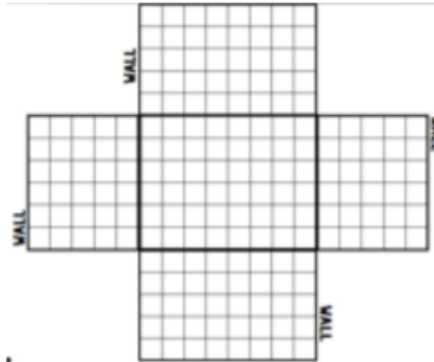
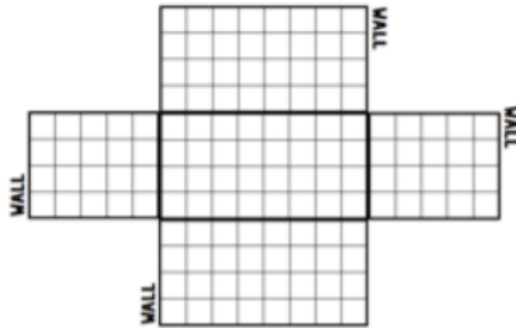
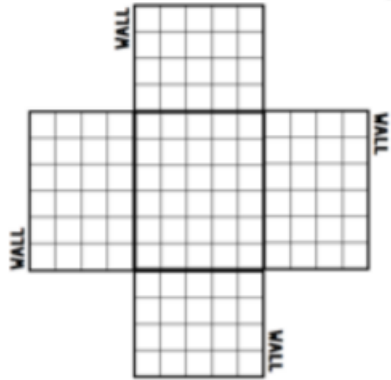


Then flip your treehouse over and design/illustrate the outside (exterior).

Wait until the interior and exterior are completed before you tape the walls together.

## TREEHOUSE PARTS, 4

Your treehouse doesn't have to be a certain size.  
Included are a variation of sizes to pick from.



### MAKE MY OWN

If you would like to build a section from scratch, there will be extra graph paper to create your own FRAME (base and walls) and ROOF.

Making your own FRAME will give you full control over your treehouse design.

### ALTERNATIVE

There are alternative treehouse styles included. These treehouses have a connecting FRAME with only 3 walls AND a ROOF comes attached.

All parts of the alternative FRAME will be labeled.







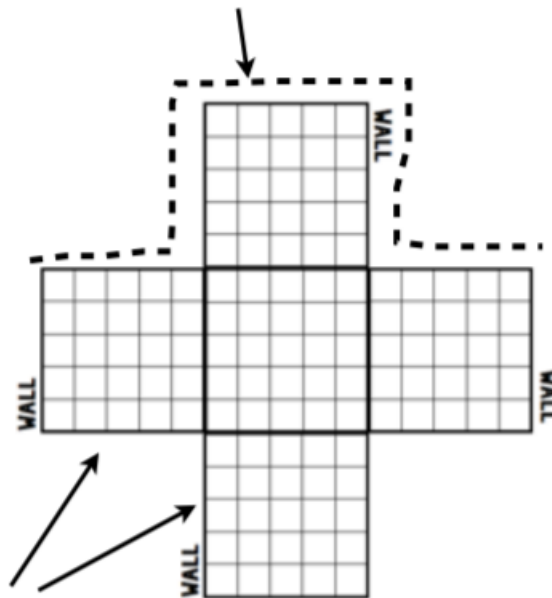
## TREEHOUSE PARTS, 5

Follow these instructions for each section of the treehouse you create.

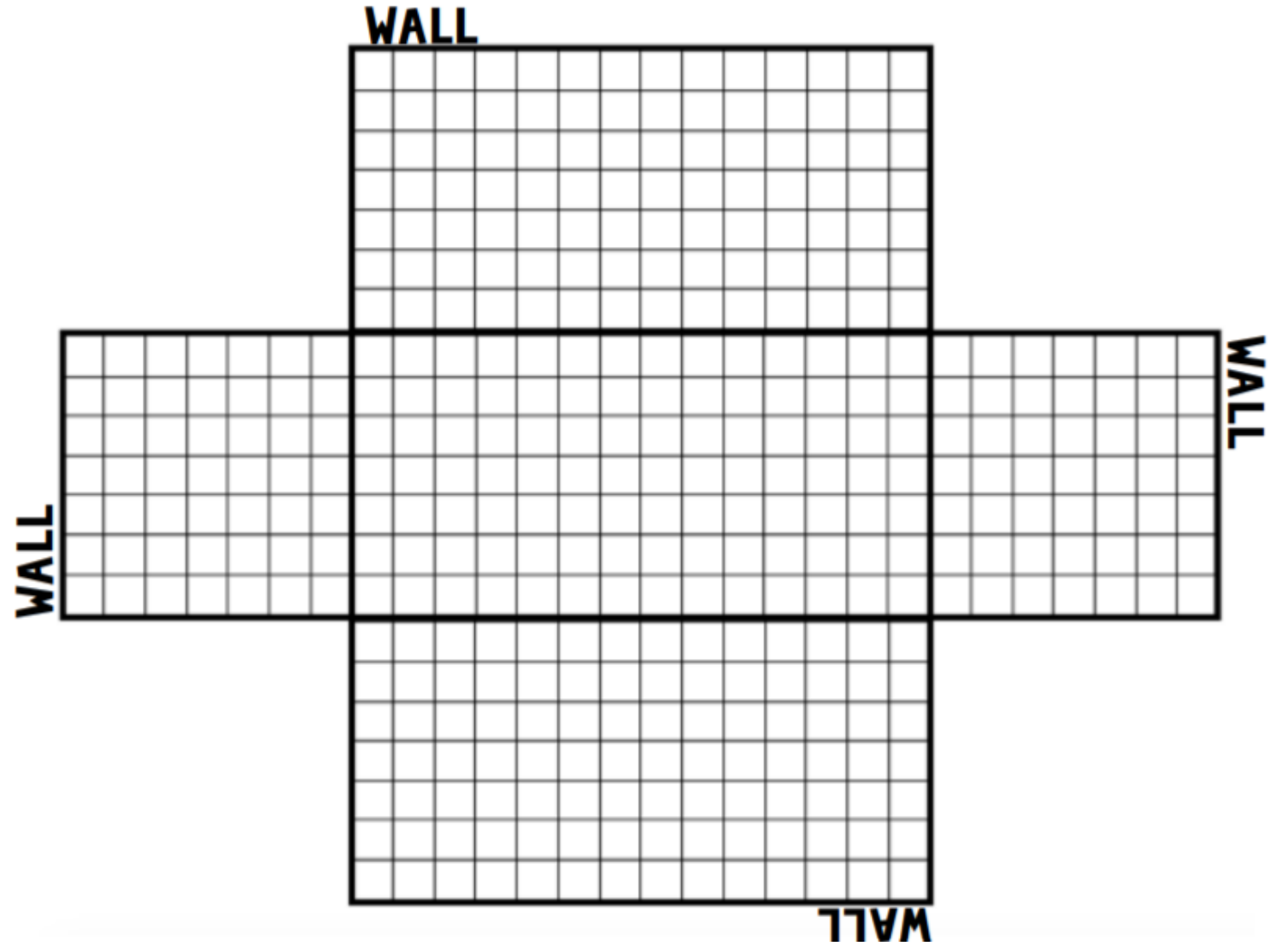
1. Find a pencil and use it. Don't start with a marker.
2. Include at least one door and one window.
3. Draw and design the inside of the floor and walls.
4. Add any other designs or additions you'd like to include.
5. Color in and add details.

6. Cut out the FRAME.
7. Fold up the sides.
8. Cut out doors or windows (if you need to).
9. Design the exterior (outside of the treehouse).
10. Tape the sides together.
11. Add a roof (optional).

- 6.** Cut out the frame and roof.



- 10.** Tape the sides together once you fold it up.





# NEXT TIME...

- **Create a checklist on what you want your design elements to be**
- **Design all of the elements of the treehouse (how many rooms, etc.)**
- **Outline how much your design will cost (you'll be given a budget)**
- **Purchase the materials that you need**
- **After that session, we'll go into building your treehouse!**



Have a great day!