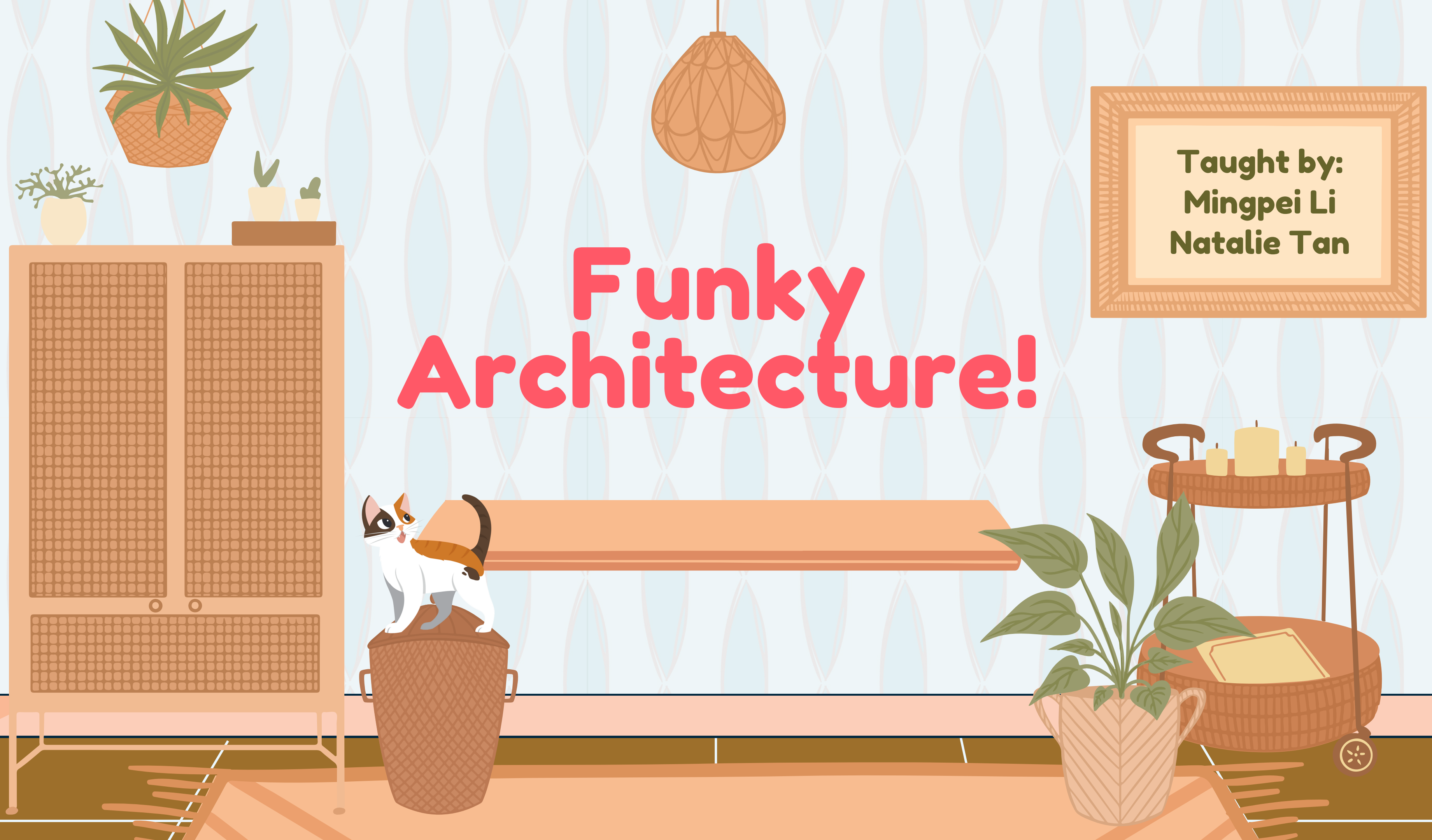


Funky Architecture!

**Taught by:
Mingpei Li
Natalie Tan**



Ice Breaker (Oh no.....)

Ming!

Hi, my name's Mingpei Li (call me Ming) and I am a current freshman! I like architecture but bad architecture... architecture that makes engineers and builders cringe! At MIT, I hope to study course 20 (Bioengineering) with a minor in course 4 (Architecture)!

In my free time, I play a lot of the Sims 4 (only for the build function though...oops) and read YA fantasy novels. I also watch anime and play volleyball sometimes?

Natalie!

Hey guys! I'm Natalie Tan, a current freshman here at MIT looking to major in Course 6-14 or Course 20.

While I am somewhat new to learning about architecture, I know lots about Roman architecture as the Latin nerd I am. I'm mainly here to emotionally support Ming :P

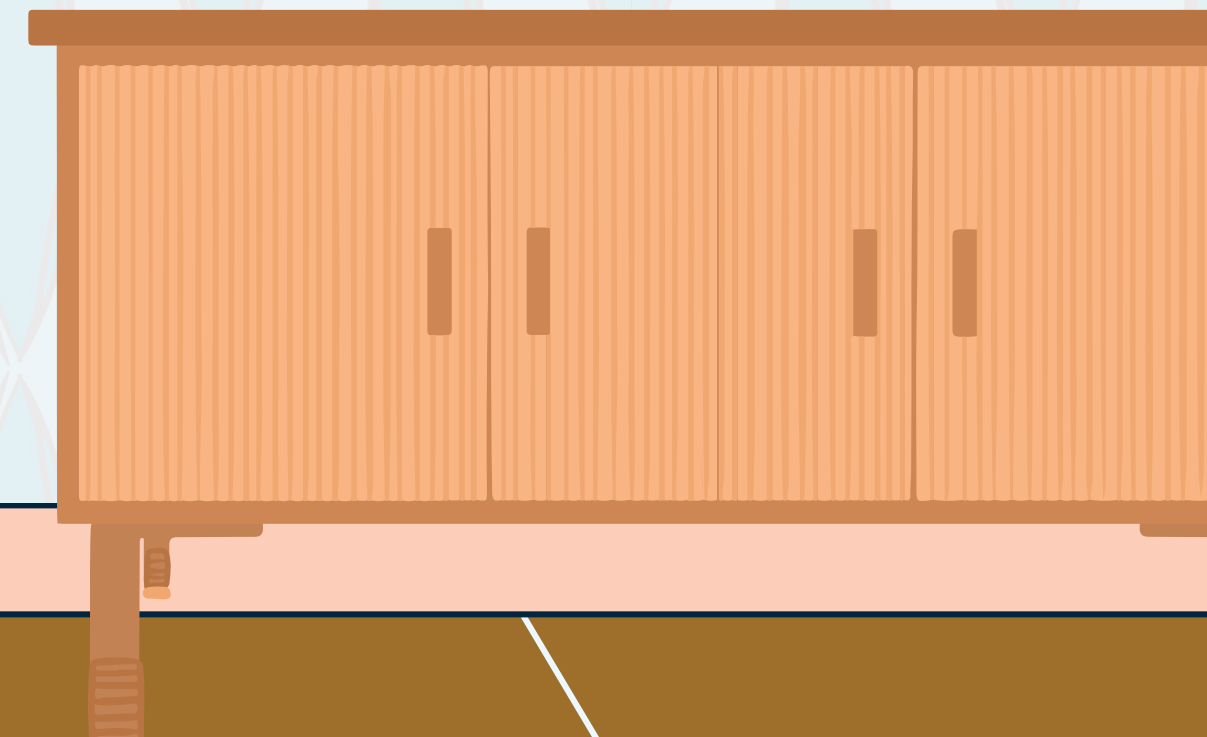
Some of my hobbies include digital art, photography/video editing, playing the violin, and keeping up with my favorite k-pop groups :) Let's have fun!!!

Y'all!

Tell us about YOU!

Whatever you feel like telling us (your name, your interests, anything!)

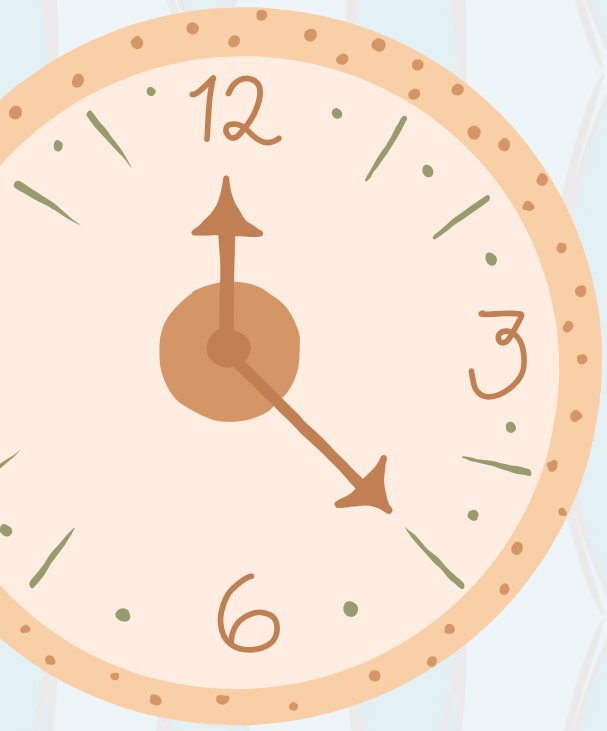
At least your name, please!



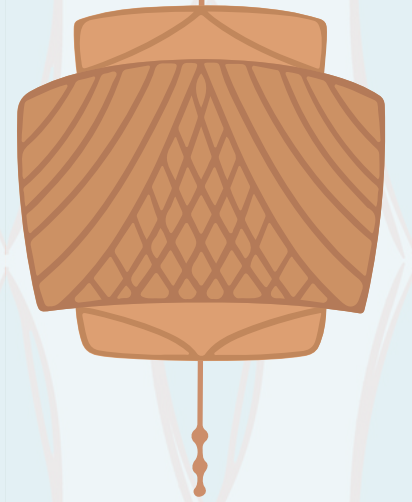
Our Goal Today

- 1. Look at silly buildings...**
- 2. Learn how they're designed~**
- 3. Design your own building!**
- 4. Share... or don't :D**
- 5. Have fun (I hope...)**





Pretty (or arguably ugly?) MIT buildings



We can take a vote... for some of these :D

Stata Center

Our center for STEM!
Very...quirky...

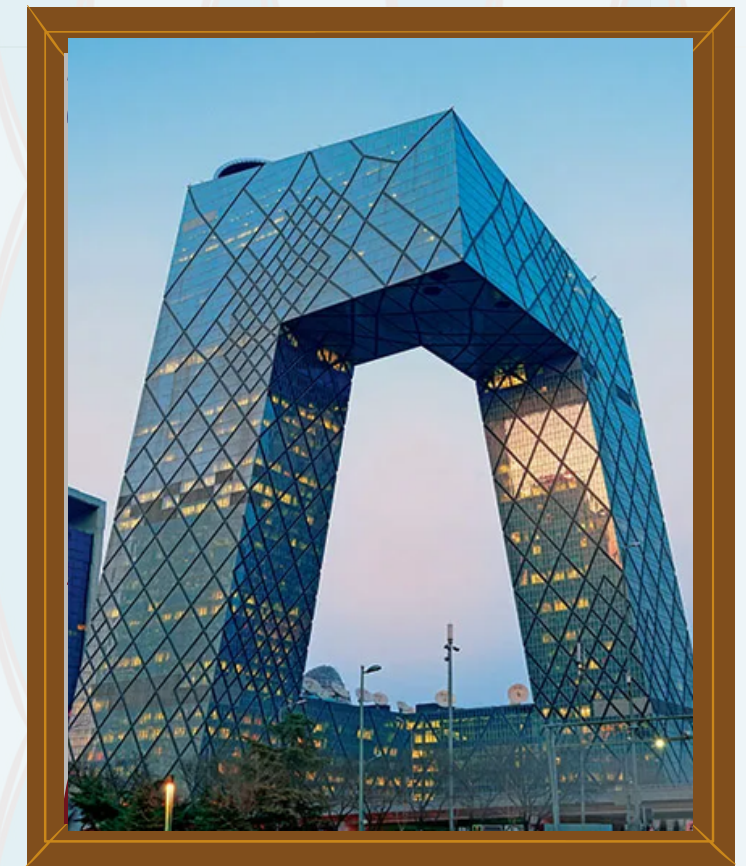
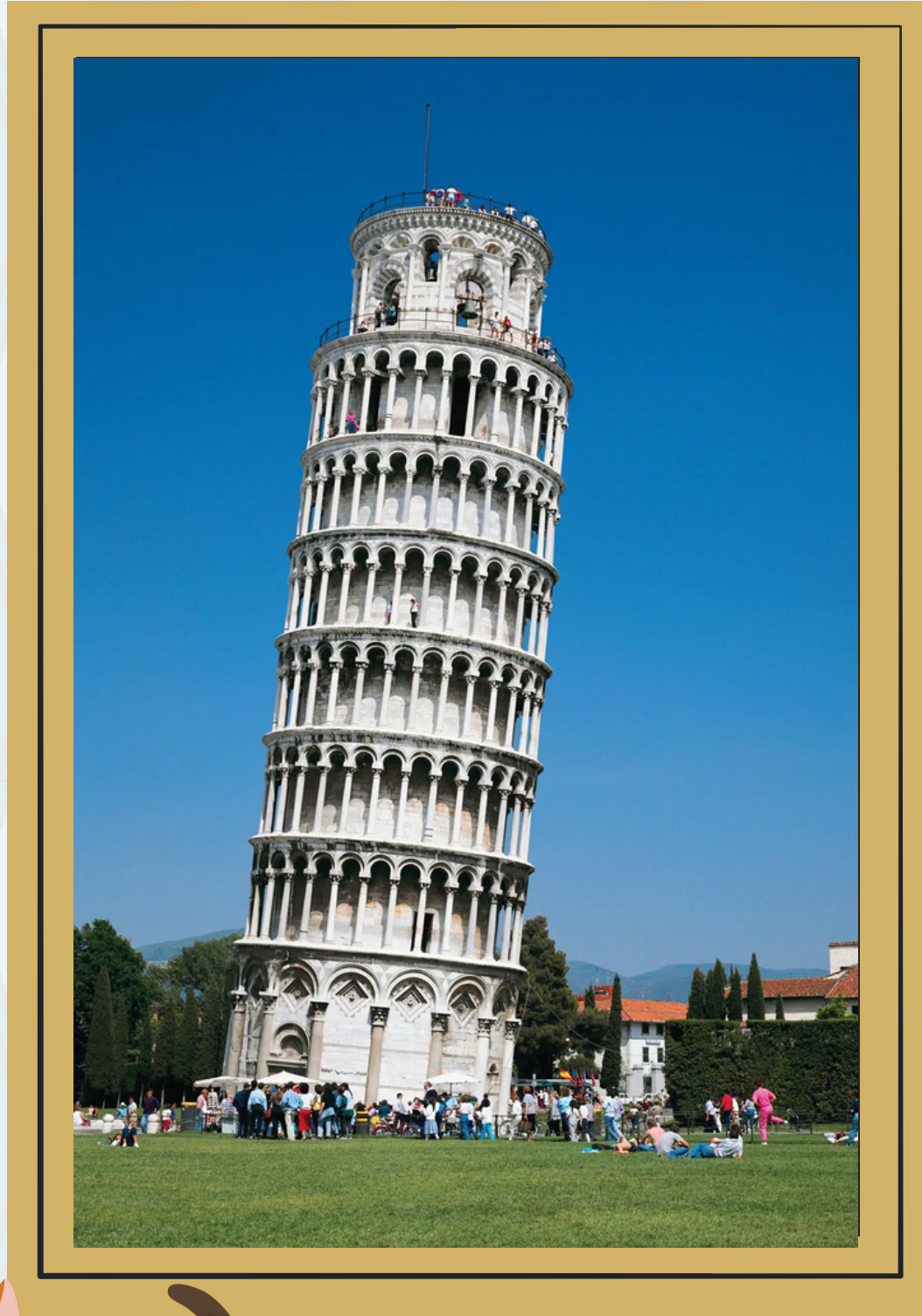
Maseeh Hall

One of our undergraduate
dorms! Pretty-ish...?

Lobby 10!

The MIT signature and in nearly
every photo of MIT~

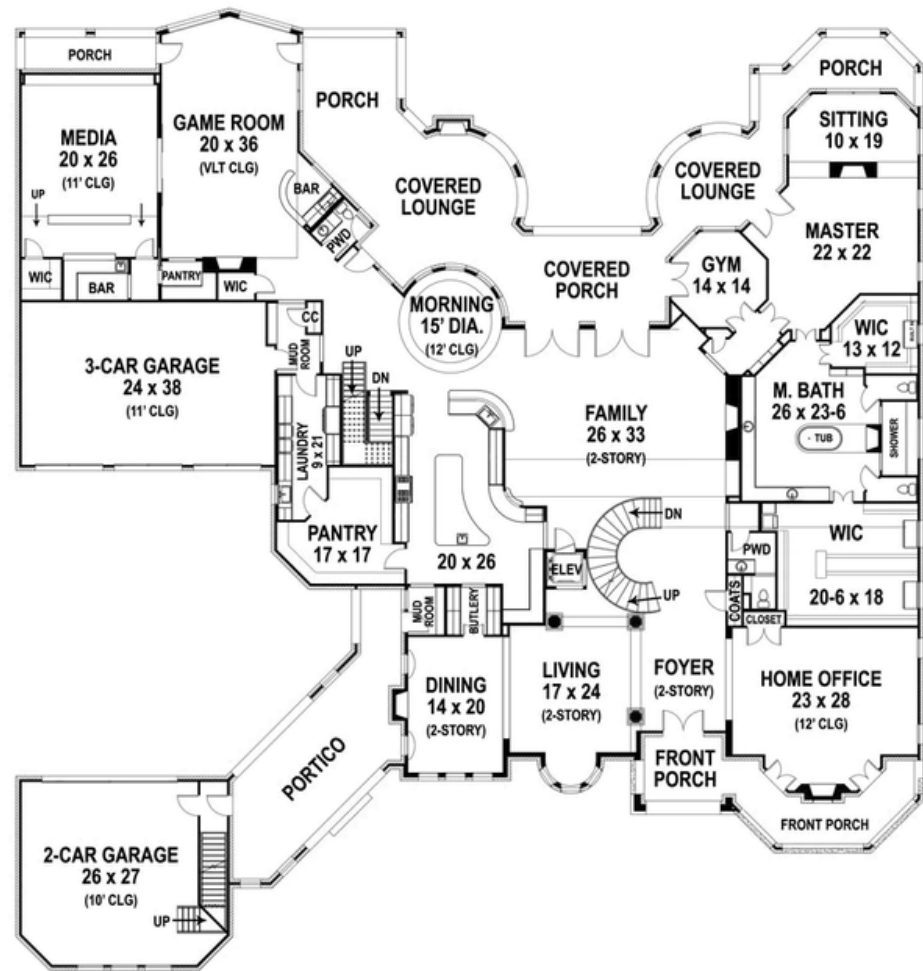
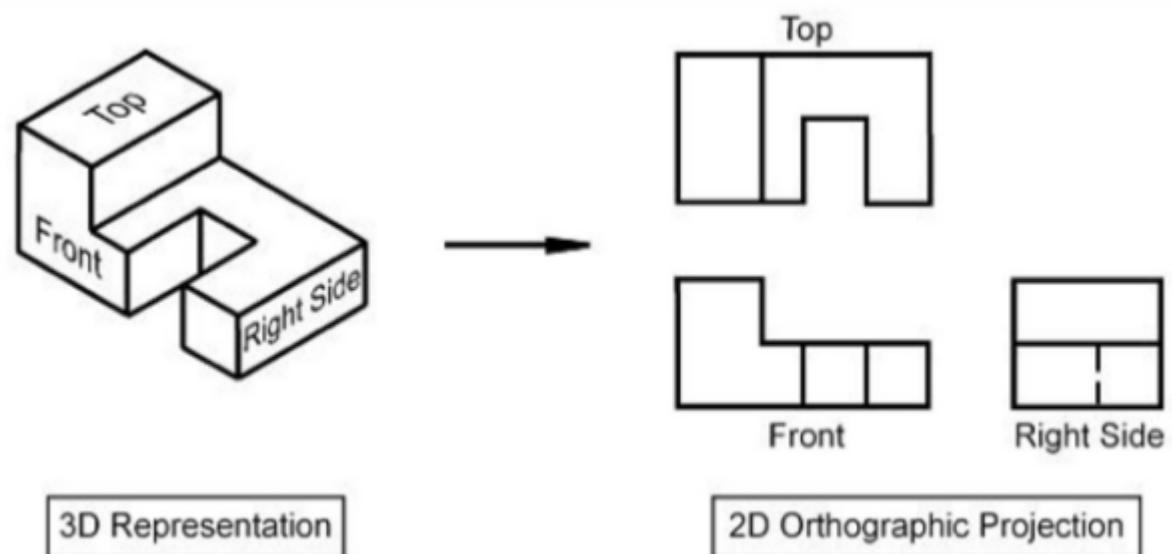




Learning Time

But how does designing work?
How to draw...?





The Basics!

Orthographic Sketching

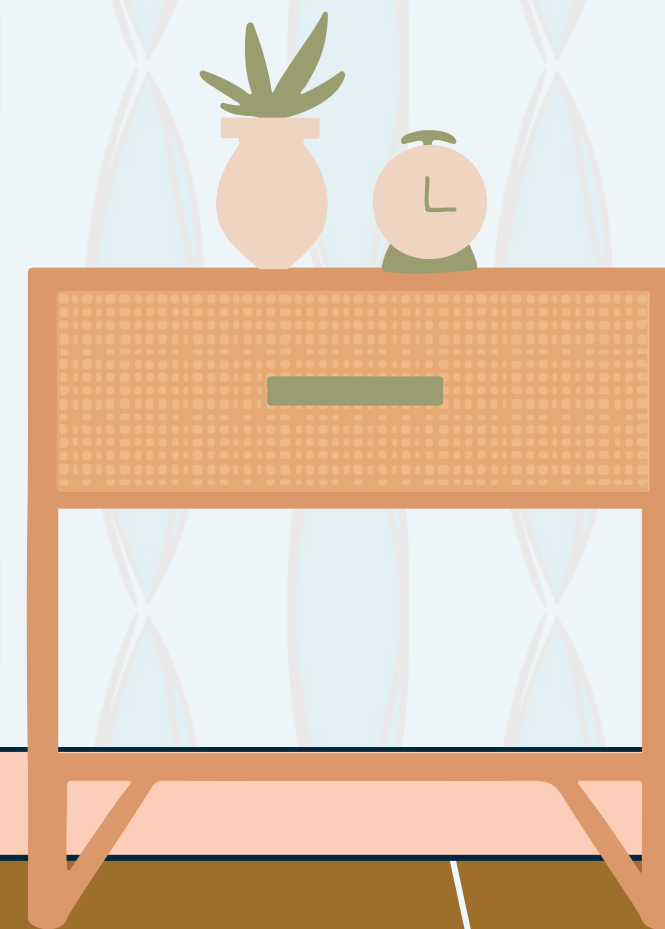
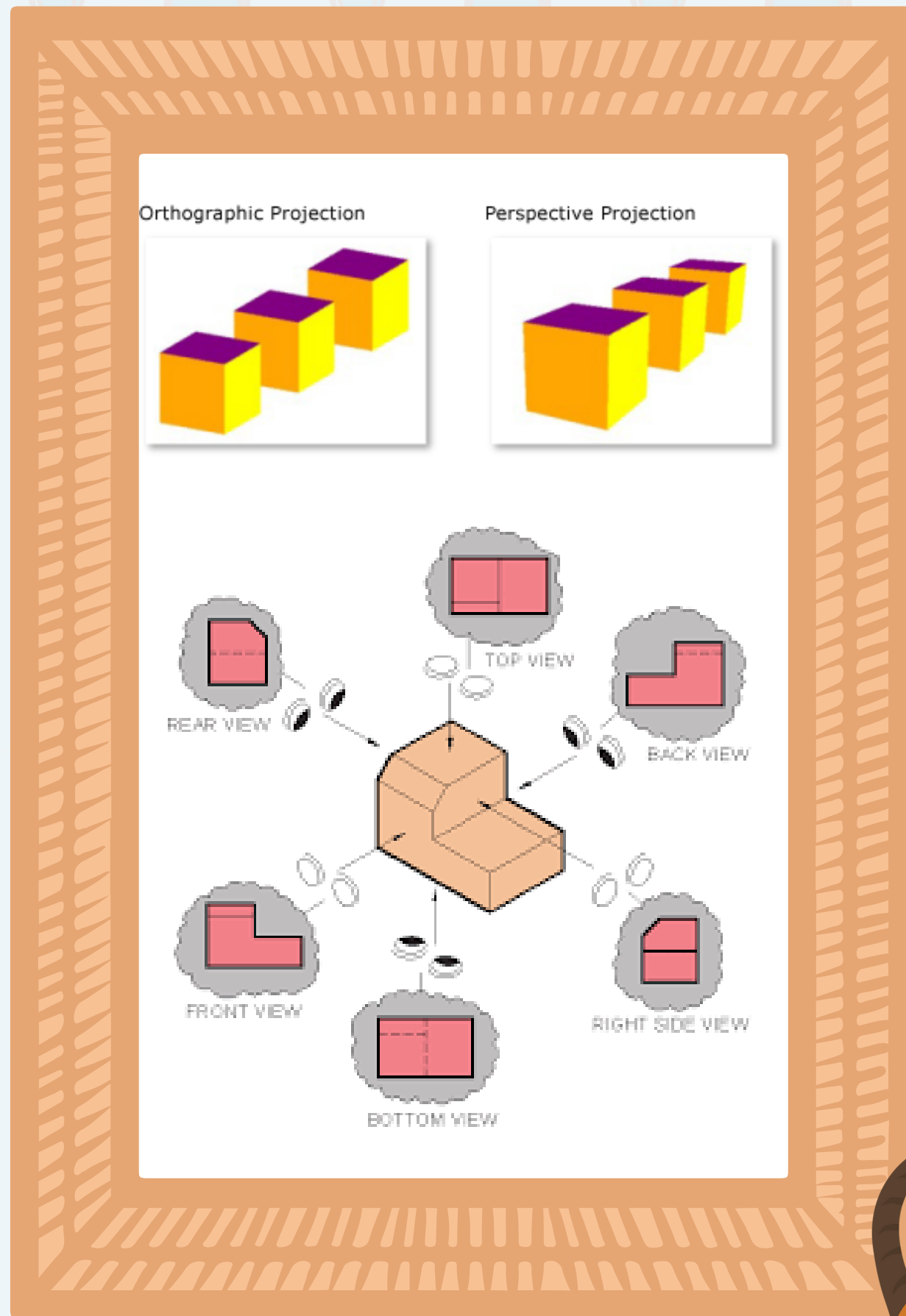
You know those 3D houses you drew in elementary school? That's the very basic of an orthographic sketch. It helps visualize and break down a building!

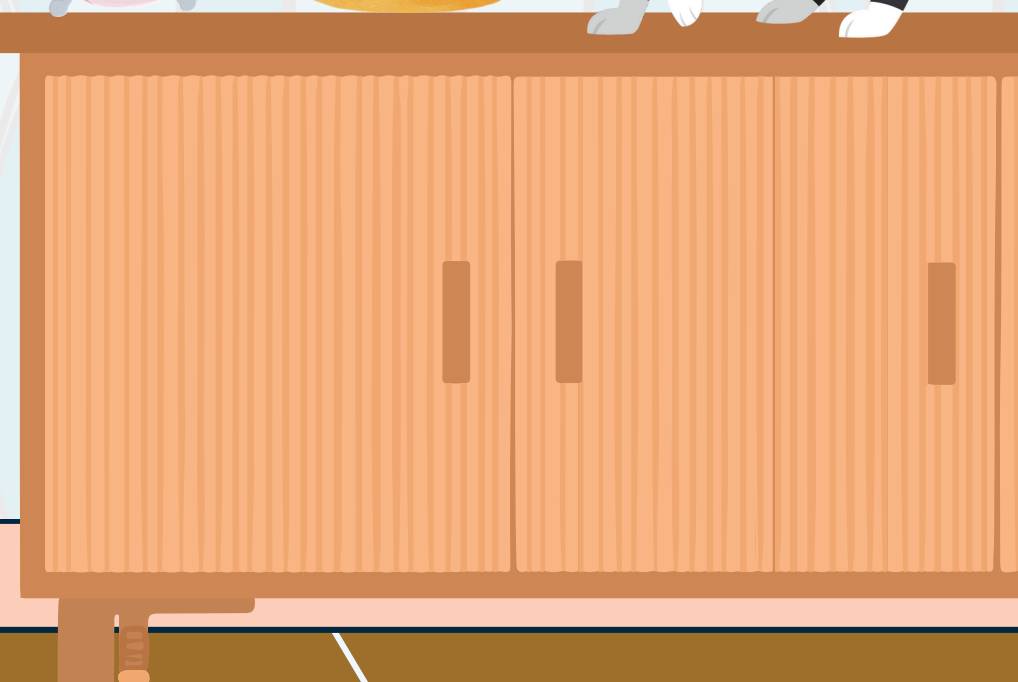
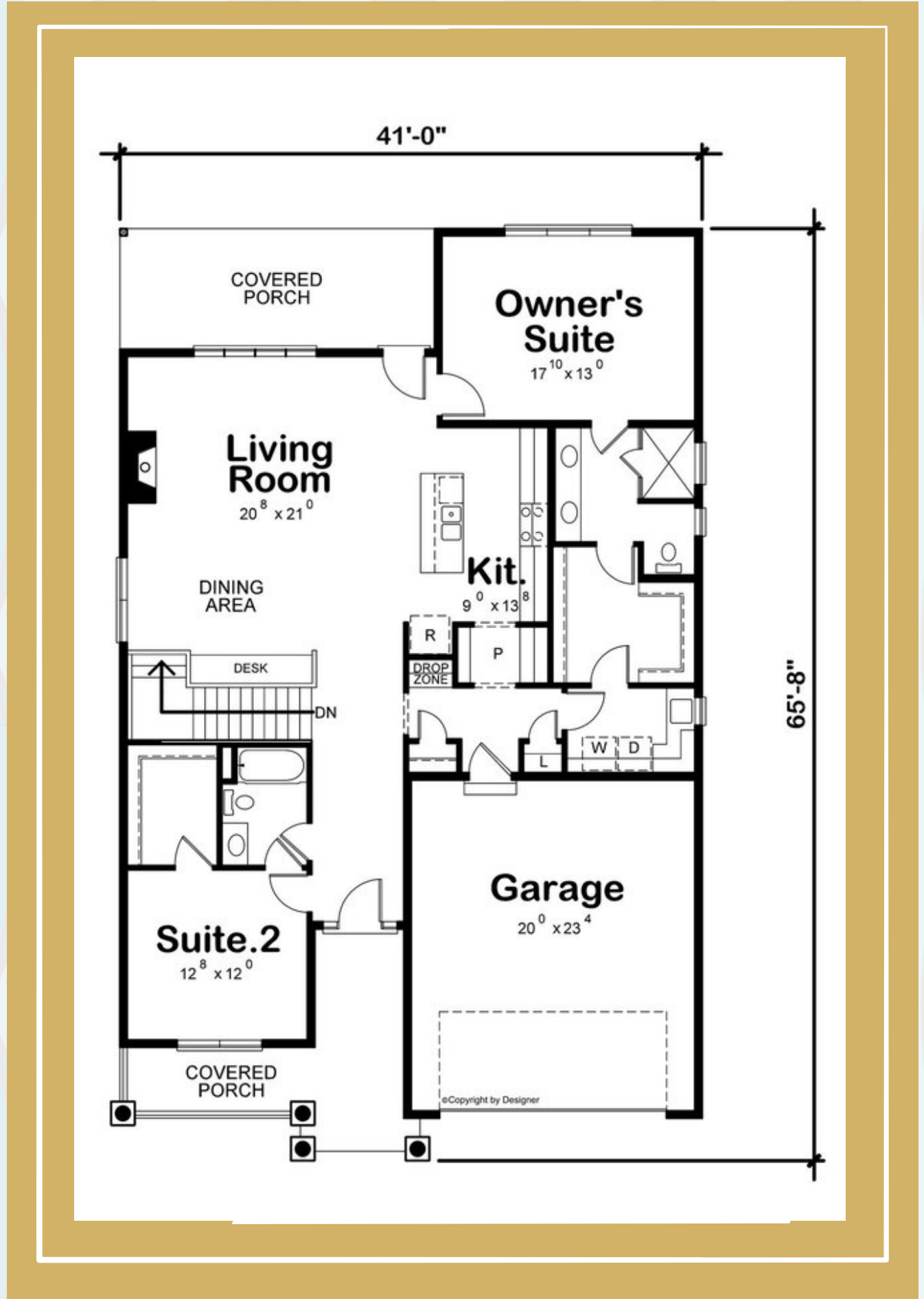
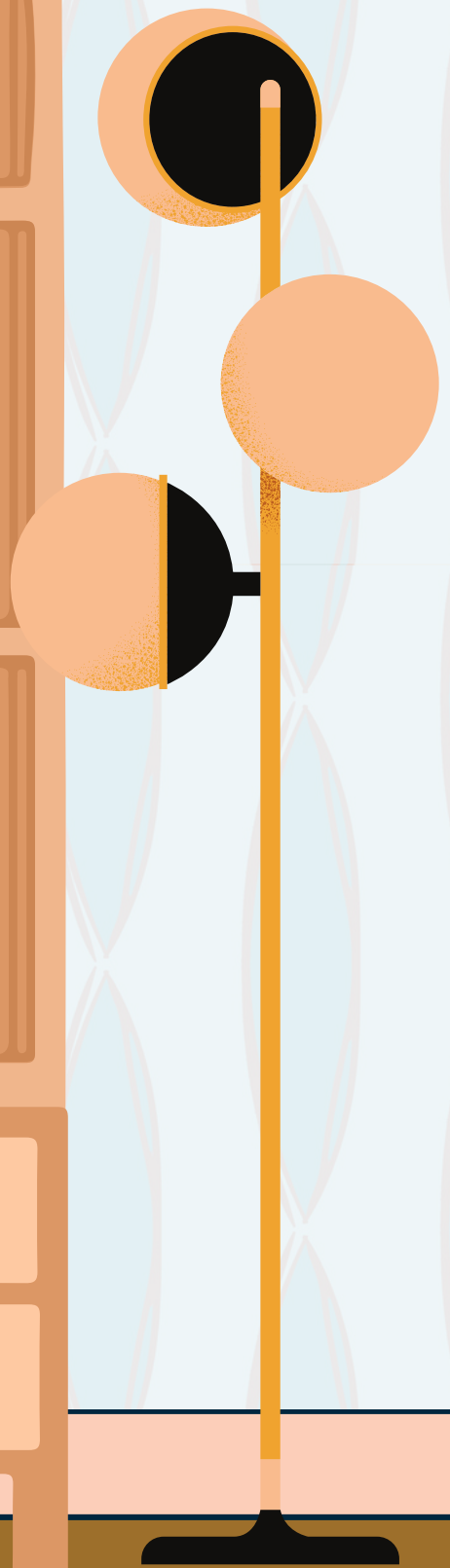
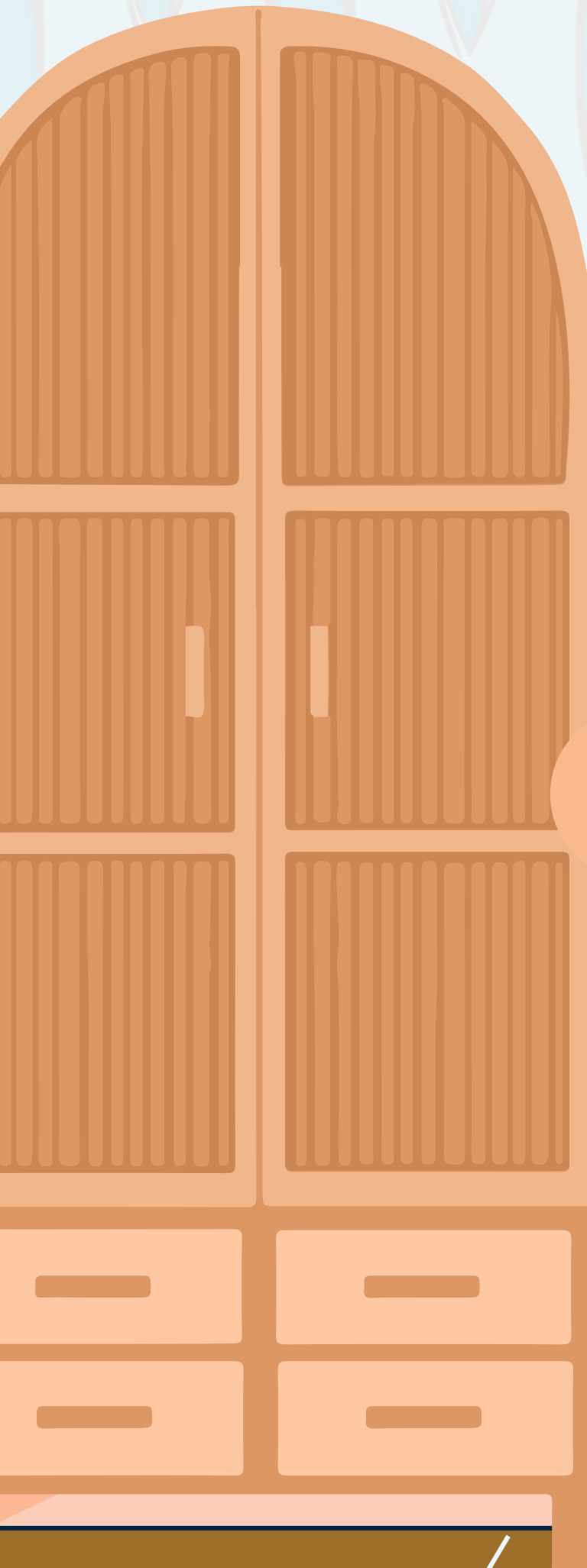
Floor Planning!


My favorite... interior design simulator! Plan where the doors, windows, bathroom(s), furniture, everything else, goes! You want one bathroom? How about 20?!

Orthographic Projections

Using your 3D drawing, you can plan how the outside looks using “projections.”





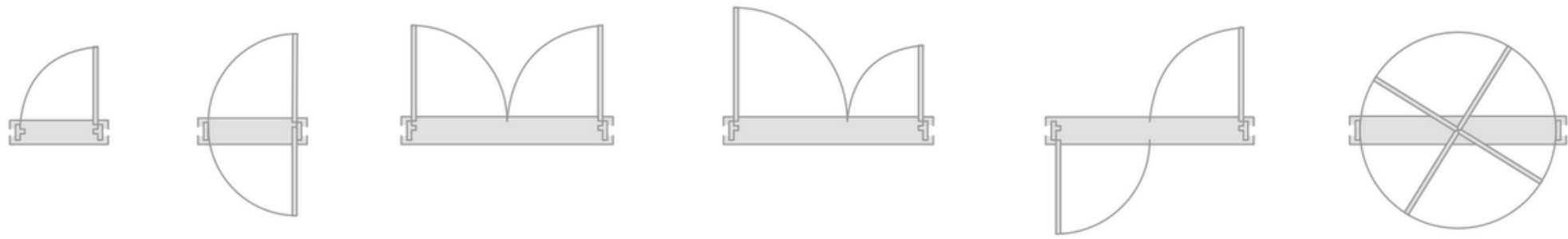


“It doesn’t have to look perfect... people will learn to love it no matter how ugly it is :D We’re here to have fun... it doesn’t have to make sense!”

- Ming, a very motivation speaker

Resources for Your Floor Plan!

Doors



Door Double hung Double door Uneven door Opposing door Revolving door

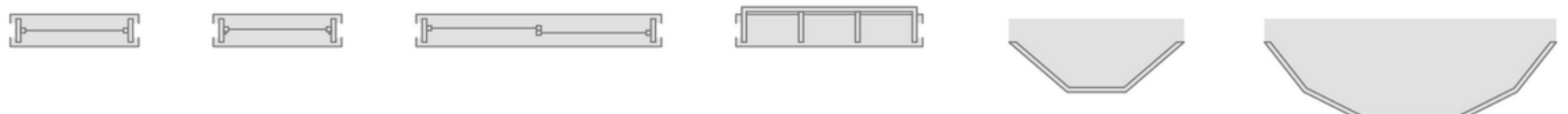


Pocket door Double pocket door By-pass door Bi-fold door Double bi-fold door



Sliding glass Overhead door Opening

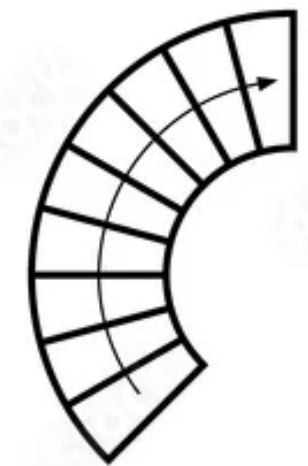
Windows



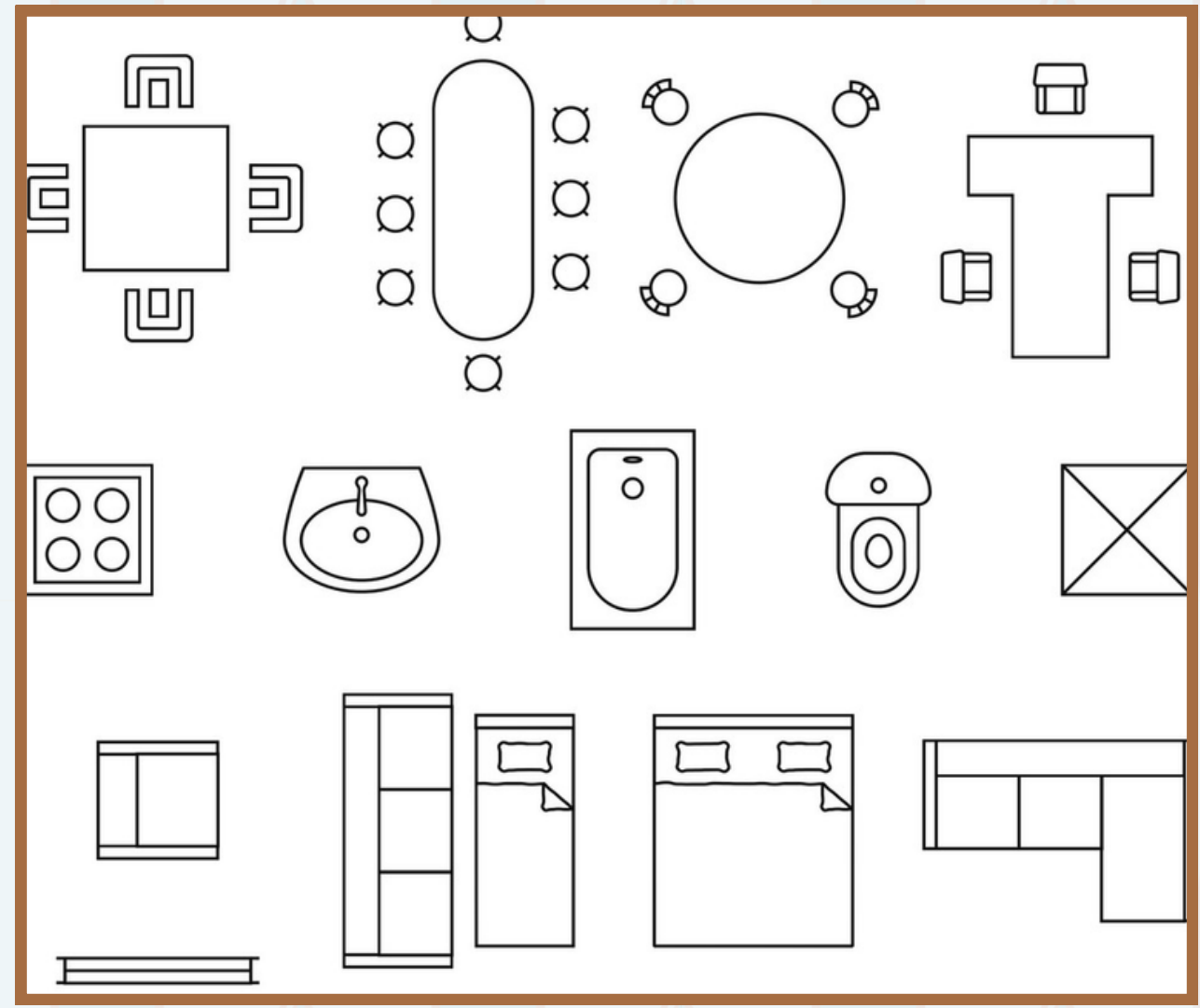
Window Casement Glider window Garden window Bow Window Bay Window



STRAIGHT FLIGHT



CURVED



Feel free to ask any questions if there's something you want to incorporate into your drawing!